

Select Health Parameters :

# A Comparative Analysis across the National Sample Survey Organization (NSSO) 42<sup>nd</sup>, 52<sup>nd</sup> and 60<sup>th</sup> Rounds

2007

Ministry of Health and Family Welfare  
Government of India  
In Collaboration with WHO Country Office for India

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The National Sample Survey made its first attempt to collect information on morbidity in the seventh round (Oct. 1953 - March 1954), the three subsequent rounds (the eleventh to the thirteenth, 1956-58) were all exploratory in nature. These surveys were followed up by a pilot survey in the seventeenth round (Sept. 1961 - July 1962) to examine alternative approaches of morbidity reporting. A full-scale survey on morbidity was conducted in the twenty-eighth round (Oct. 1973 - June 1974). Since then, data on morbidity became a part of the decennial surveys on social consumption.

The second survey on Social Consumption was carried out in the 42<sup>nd</sup> round (July 1986 - June 1987) and the third in the 52<sup>nd</sup> round (July 1995 - June 1996). A survey on 'Morbidity and Health care' was taken up during the period January to June, 2004.

These enquiries covered the curative aspects of the general health care system in India and also the utilization of health care services provided by the public and private sector, together with the expenditure incurred by the households for availing these services. Morbidity and utilisation of health care services including immunisation and maternity care, Problems of aged persons, and Expenditure of the households for availing the health care services were also covered.

### *Sampling design*

The sample design adopted for the surveys was essentially a two-stage stratified design, with census villages and urban blocks as the first-stage units (FSUs) for the rural and urban areas respectively, and households as the second-stage units (SSUs). The survey period was split into sub-rounds of three months duration. The rural and urban samples of FSUs were drawn independently in the form of two sub-samples and equal numbers of FSUs of each sub-sample were allocated. The second stage units were stratified in accordance with the requirement of a specific survey and the same varied slightly in different rounds. However the estimates at the level of major states are comparable over different rounds. The no. of samples surveyed in each round is presented in the table below for central sample, the part surveyed mainly by the NSSO field staff. The matching sample by the states was not used. This report is based on the estimates obtained from the central sample alone.

| Statement 1.1: No. of Samples covered in different rounds |                    |                                                       |       |                                       |       |
|-----------------------------------------------------------|--------------------|-------------------------------------------------------|-------|---------------------------------------|-------|
| Round                                                     | Period of survey   | No. of first stage units<br>(Central sample) surveyed |       | No. of second stage<br>units surveyed |       |
|                                                           |                    | Rural                                                 | Urban | Rural                                 | Urban |
| 42nd                                                      | July 86 to June 87 | 8546                                                  | 4568  | 47827                                 | 25736 |
| 52nd                                                      | July 95 to June 96 | 7663                                                  | 4991  | 71284                                 | 49658 |
| 60th                                                      | Jan to June 2004   | 4755                                                  | 2668  | 47302                                 | 26566 |

## Reference period

The enquiry on morbidity was conducted with a reference period of 15 days. All spells of ailment suffered by each member of the sample household during the 15 days preceding the date of enquiry, whether or not the patient was hospitalised for treatment, were covered in the surveys. For hospitalised treatment, however, information was collected for every event of hospitalisation of a member, during the 365 days preceding the date of enquiry.

## Concepts and Definitions

The concepts and definitions of the terms used in the surveys are given below. For better morbidity reporting, some probing questions were put to the informants during data collection.

**Ailment** - illness or injury: Ailment, i.e. illness or injury, mean any deviation from the state of physical and mental well-being. An ailment may not cause any necessity of hospitalisation, confinement to bed or restricted activity. An ailing member is a normal member of the household who was suffering from any ailment during the reference period. For the purpose of survey, one will be treated as sick if one feels sick. This will also include among other things:

- Cases of visual, hearing, speech, locomotor and mental disabilities;
- Injuries will cover all types of damages, such as cuts, wounds, haemorrhage, fractures and burns caused by an accident, including bites to any part of the body;
- Cases of spontaneous abortion - natural or accidental;

This will not include:

- Cases of sterilisation, insertion of IUD, getting MTP, etc.,
- Cases of pregnancy and childbirth.

But a spontaneous abortion is treated as a deviation from the state of normal health and thus considered to be illness.

For ascertaining whether an individual had suffered from any ailment during the reference period and whether she/he had received any medical treatment on that account, the following set of probing questions was put, in the survey, to the informant:

- During the reference period, did the member feel anything wrong relating to skin, head, eyes, ears, nose, throat, arms, hands, chest, heart, stomach, liver, kidney, legs, feet or any other organ of the body?
- Does the member suffer from any disease of a chronic nature relating to stomach, lungs, nervous system, circulation system, bones and joints, eye, ear, mouth or any other organ of the body?

- Does the member have any kind of hearing, visual, speech or locomotor disability?
- Did the member take, during the reference period, any medicine or medical advice for his/her own ailment or injury?

**Hospitalisation:** One was considered hospitalised if one had availed of medical services as an indoor patient in any hospital. Hospitalisation in the cases of normal pregnancy and childbirth were treated as hospitalisation cases.

**Medical treatment:** A person was considered to have received medical treatment if he/she had consulted a doctor anywhere (in OPD of a hospital, community health centre, primary health centre/sub-centre, dispensary, doctor's chamber, private residence, etc.) and obtained medical advice on his/her ailment. The doctor consulted may follow any system of medicine. Treatment taken on the basis of medical advice/prescription of a doctor obtained earlier for similar ailment(s) was also considered as medical treatment. Self-doctoring or acting on the advice of non-medical persons such as friends, relatives, pharmacists, etc., was not considered as treatment.

**Expenditure for medical treatment:** Total expenditure incurred for medical treatment received during the reference period (15 days for non-hospitalised treatment and 365 days for hospitalised treatment) included expenditure on items like bed charges (with charges for food included in it), medicines (including drips) materials for bandage, plaster, etc., fees for the services of medical and para-medical personnel, charges for diagnostic tests, operations and therapies, charges of ambulance, costs of oxygen, blood, etc.

**Disability:** A person with restrictions or lack of abilities to perform an activity in the manner or within the range considered normal for a human being was treated as having disability. It excludes illness/injury of recent origin (morbidity) resulting into temporary loss of ability to see, hear, speak or move.

**Mental disability:** Persons who had difficulty in understanding routine instructions, who do not carry out their activities like others of similar age or exhibit behaviours like talking to self, laughing / crying, staring, violence, fear and suspicion without reason were considered as mentally disabled for the purpose of the survey. The "activities like others of similar age" included activities of communication (speech), self-care (cleaning of teeth, wearing clothes, taking bath, taking food, personal hygiene, etc.), home living (doing some household chores) and social skills.

**Visual disability:** By visual disability, it was meant, loss or lack of ability to execute tasks requiring adequate visual acuity. For the survey, visually disabled included (a) those who did not have any light perception - both eyes taken together and (b) those who had light perception but could not correctly count fingers of hand (with spectacles/contact lenses if he/she used spectacles/contact lenses) from a distance of three metres (or 10 feet) in good day light with both eyes open. Night blindness was not considered as visual disability.

**Hearing disability:** This refers to persons' inability to hear properly. Hearing disability was to be judged taking into consideration the disability of the better ear. Persons with hearing disability might have different degrees of disability, such as profound, severe or moderate.

**Speech disability:** This referred to persons' inability to speak properly. Speech of a person was judged to be disordered if the person's speech was not understood by the listener. Persons with speech disability included those who cannot speak, can speak only with limited words or those with loss of voice. It also included those whose speech was not understood due to defects in speech, such as stammering, nasal voice, hoarse voice and discordant voice and articulation defects, etc.

**Locomotor disability:** A person with - (a) loss or lack of normal ability to execute distinctive activities associated with the movement of himself/herself and objects from place to place and (b) physical deformities, other than those involving the hand or leg or both, regardless of whether the same caused loss or lack of normal movement of body was considered as disabled with Locomotor disability.

### ***Monthly Per Capita Expenditure (MPCE)***

The level of living is highly related with the general health of the household members as well as to the extent of medical care received by them. Thus, as the background information, the distribution of households and population by income level is necessary for a correlative study on morbidity and health care. However, the NSSO collects data on Monthly per capita expenditure (MPCE), which provides a reasonable proxy for relative ranking of the households according to level of living.

The standard of living is measured by the MPCE. The entire population is divided into 12 groups by the expenditure class. These classes are decided at all India level, the first three classes of expenditure constitute bottom 20% of the population. These, however, may differ for rural/ urban and states; but gives an idea of bottom 20% measured at all India level.

The facilities, services, expenditure etc., for 60<sup>th</sup> round has been attempted by different expenditure class. But the data are presented in this report for bottom 20% of the population in different states, which would give an idea regarding the bottom standard of living. However, in some cases, when the sample selected in this class is less than an acceptable number of 25, the middle 20% is taken for the study.

Some important characteristics that have relevance, directly with the health of the individuals like source of drinking water, structure of the house and cooking media of the household are presented.

### *Type of Structure of Dwelling:*

Information from the households was collected regarding the type of structure of the dwelling in which the household lives in all the surveys. The information collected during the 60<sup>th</sup> round is presented. More than half of the households in the rural areas resided in *semi-pucca* or *kutcha* structures in 2004.

| Statement 2.1: Distribution of households by structure of dwelling by social group |              |                          |            |        |       |
|------------------------------------------------------------------------------------|--------------|--------------------------|------------|--------|-------|
|                                                                                    |              | Household with structure |            |        | Total |
|                                                                                    | Social group | Pucca                    | Semi-pucca | Kutcha |       |
| Rural                                                                              | ST           | 195                      | 570        | 235    | 1000  |
|                                                                                    | SC           | 410                      | 335        | 255    | 1000  |
|                                                                                    | OBC          | 520                      | 306        | 173    | 1000  |
|                                                                                    | Others       | 582                      | 280        | 138    | 1000  |
|                                                                                    | All India    | 480                      | 332        | 188    | 1000  |
| Urban                                                                              | ST           | 653                      | 259        | 88     | 1000  |
|                                                                                    | SC           | 765                      | 150        | 86     | 1000  |
|                                                                                    | OBC          | 813                      | 136        | 50     | 1000  |
|                                                                                    | Others       | 902                      | 79         | 19     | 1000  |
|                                                                                    | All India    | 842                      | 115        | 43     | 1000  |

20 per cent of the households among the *STs* resided in the dwellings made of *pucca* materials, the rest living either in *semi-pucca* or in *kutcha* dwellings in rural India.

*Pucca* structure is more common in the urban areas with 84 per cent of the households reporting it. The proportion of population living in *pucca* structures was highest among the *others* category of households (90 %) and lowest among the *ST* households (65%) in urban India.

About 75 per cent or more households in the rural areas of Chhattisgarh, Assam, Orissa, Jharkhand and West Bengal lived either in *kutcha* or in *semi-pucca* structures. Though the corresponding proportions are lower in urban areas, wide inter-State variations exist. *Kutcha* structures housed 19 per cent of households in urban Orissa and 10-11 per cent of households in urban areas of Tamil Nadu and Bihar.

The distributions of housing structure for major states are given in Table 1.1 separately for rural and urban areas. In respect of smaller states/UTs, the information is provided for rural/ urban areas in Table 1.1(S)

### Chart 2.1 : Household structure by social group-60th round-All India

### Major Source of Drinking Water:

Information on the major source of drinking water separately for the rural and urban areas are presented in Table 1.2. The most prevalent source, in the rural areas, is found to be 'tube-well/ hand pump'. Next in importance were 'tap' and 'pucca well'. The proportions of households reporting the use of drinking water from these three sources were 56 per cent, 25 per cent and 13 per cent, respectively, in the rural areas. The same three sources were the most important in urban areas, but in a different order. 'Tap' was the most important (68 per cent), followed by 'tube well/ hand pump' (22 per cent), and 'pucca well' (4 per cent).

The bottom 20% of the population have access to tap water more in the states of Andhra Pradesh, Haryana, Karnataka and Tamil Nadu, where more than 60% have reported the same. In the rural areas of states of Assam, Bihar, Chhattisgarh, Jharkhand, Orissa, Uttar Pradesh and West Bengal only less than 5% of the bottom 20% of the population have access to tap water. In rural Kerala the use of well water is prominent, where more than 70% of all class/ social group have reported as the main source.



| Statement 2.2: Major source of drinking water by MPCE and Social group –All India 60 <sup>th</sup> round |       |       |                        |       |            |       |        |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|------------------------|-------|------------|-------|--------|-------|
| MPCE /<br>Social group                                                                                   | Tap   |       | Tube-well/hand<br>pump |       | Pucca well |       | Others |       |
|                                                                                                          | Rural | Urban | Rural                  | Urban | Rural      | Urban | Rural  | Urban |
| Bottom 20%                                                                                               | 171   | 526   | 667                    | 393   | 127        | 49    | 36     | 33    |
| All India                                                                                                | 248   | 676   | 564                    | 224   | 139        | 44    | 49     | 56    |
| ST                                                                                                       | 153   | 589   | 553                    | 190   | 200        | 128   | 94     | 93    |
| SC                                                                                                       | 263   | 631   | 594                    | 287   | 107        | 31    | 36     | 51    |
| OBC                                                                                                      | 258   | 634   | 546                    | 242   | 153        | 63    | 43     | 61    |
| Others                                                                                                   | 256   | 728   | 573                    | 190   | 117        | 30    | 54     | 52    |

A comparison of 52<sup>nd</sup> & 60<sup>th</sup> round of tap as the major source in rural areas, a decline was seen in the states of Assam, Bihar, Maharashtra, Rajasthan and Uttar Pradesh. The use of tap water in urban has gone up only in Punjab among major states and has declined in all other major states in 2004 as compared to 95-96. There was a decline of 6% in tap users in urban India in a period of 9 years.

The details are in Table 1.2 giving major sources of drinking water separately for rural & urban areas in respect of all major states. Table 1.2(S) gives information for smaller states/ UTs, for rural and urban areas.

**Chart 2.2 : Sources of drinking water-60th round-All India by Socio Economic class**

## Primary source of energy for cooking:

Safe and non hazardous media of cooking an important factor in health of the household members, especially of the women. In rural area, firewood and chips is the main source of cooking. Only one percent of the bottom 20% of the population has LPG for cooking in rural India. 15 % of the bottom 20% of the population use “Others” sources, which include coke, coal, gobar gas, dung cake, charcoal, electricity etc. The “other” usage is more in rural areas of Bihar (43%), Haryana (23%), Orissa (20%), Punjab ((32%), Uttar Pradesh (31%) and West Bengal (20%) in major states.

Among the bottom 20% of the urban, 17% have LPG, while 16% use “others” for cooking. In all, 57% of the urban population have LPG as major source for cooking. The bottom 20% of Bihar (41%), Jharkhand (71%), Karnataka (29%), Orissa (29%), Punjab (30%) and West Bengal (46%) use “other” source for cooking in urban areas.

| Statement 2.3: Cooking media by MPEC |            |           |            |           |
|--------------------------------------|------------|-----------|------------|-----------|
| Cooking mode                         | Rural      |           | Urban      |           |
|                                      | Bottom 20% | All India | Bottom 20% | All India |
| Firewood                             | 838        | 770       | 603        | 223       |
| LPG                                  | 10         | 82        | 173        | 566       |
| Kerosene                             | 1          | 8         | 62         | 110       |
| Others                               | 151        | 140       | 163        | 101       |

Use of smoke producing cooking media needs to be checked, especially in urban with high density of population.

The details can be seen in Table 1.3 in respect of all major states for rural and urban areas. Table 1.3(S) presents information of smaller states/UTs.

Chart 2.3 : Primary source of energy for cooking-Rural & Urban-60th round

The important findings of the three surveys along with the salient features pertaining to the curative aspects of the general health care system in India are presented for major states and across their rural and urban sectors. The estimates for the smaller States and UTs are also attempted (only for aggregates). 60th round information is analysed for different class of population, being the latest survey.

## Morbidity

### Level of Morbidity:

Proportion of Ailing Persons (PAP), measured as the number of persons reporting ailment during a 15-day period per 1000 persons. The morbidity rate (PAP) presented gives the estimated proportion of persons reporting ailment suffered at any time during the reference period and are not strictly the prevalence rates as recommended by the Expert Committee on Health Statistics of the WHO. The WHO defines prevalence rate as the ratio between the number of spells of ailment suffered at any time during the reference period and the population exposed to the risk. It measures the frequency of illnesses prevailing during the reference period, whereas NSSO gives the number of persons reporting ailments during a 15-day period per 1000 persons.

### PAP and Level of Living:

The data reveals a broad positive association between MPCE and PAP, in both rural and urban areas. The range of variation in PAP was larger in the rural areas than in the urban areas. The data appear to show that the level of morbidity tends to rise with the level of living.

| Statement 3.1 : PAP by MPCE class, social group and gender -60 <sup>th</sup> round –All India |               |               |            |     |              |    |     |        |        |         |
|-----------------------------------------------------------------------------------------------|---------------|---------------|------------|-----|--------------|----|-----|--------|--------|---------|
| Sector                                                                                        | MPCE Class    |               |            |     | Social Group |    |     |        | Gender |         |
|                                                                                               | Bottom<br>30% | Middle<br>50% | Top<br>20% | All | ST           | SC | OBC | others | Males  | Females |
| Rural                                                                                         | 63            | 86            | 132        | 88  | 58           | 88 | 87  | 102    | 83     | 93      |
| Urban                                                                                         | 81            | 93            | 125        | 99  | 61           | 86 | 91  | 113    | 91     | 108     |

This may mean either that the poor are less prone to sickness than the rich, or that the reporting of morbidity improves with improvement in the level of living. Of the two hypotheses, the second seems to be the more plausible.

In 2004, the bottom 30% of the population reported PAP of 63, while the top 20% reported PAP of 132 in rural India. In urban, the reported PAP was 81 and 125 for these classes respectively.

There is considerable increase in morbidity reporting in 2004 as compared to 1995-96 in all categories. All India rural reported an increase from 55 to 88, while the increase in urban India was from 54 to 99.

### Chart 3.1: Socio economic differentials of PAP- 60th round – Rural & Urban

#### PAP and Social Groups of Households:

The estimates of PAP are found to be lowest among the STs followed by SCs, and is highest among the *others* category of persons in both rural and urban areas. Data reveals wide inter-state variations in PAP in both rural and urban areas. The level of morbidity in the rural areas of the major states measured in terms of PAP, varied from 33 in Jharkhand to 255 in Kerala in 2004. Inter-state variation in morbidity reporting in the urban areas was less pronounced, with PAP ranging from 50 in Jharkhand to 240 in Kerala in 2004. It is seen that the states with relatively high morbidity reporting in the rural areas also reported high morbidity in the urban areas. In fact, in both rural and urban areas, the states of Kerala, Punjab, West Bengal and Andhra Pradesh were at one extreme reporting high levels of morbidity, while at the other extreme were Jharkhand, Uttaranchal, Bihar and Rajasthan with low levels of morbidity reporting.

Details of reported PAP can be seen in Table 2.1 in respect of major states and Table 2.1 (S) for smaller states/ UTs. for different MPCE class and social group.

**Comparison** of reported morbidity between 52<sup>nd</sup> and 60<sup>th</sup> round show an increase in all sdirections – for males, females, ST, SC and Others in rural as well as in urban sector, as presented below.

| Statement 3.2 : Number of persons reporting ailment during a period of 15 days per 1000 persons in 52nd & 60th rounds by social group – Rural and Urban |      |      |      |      |      |      |        |      |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|--------|------|----------|
| Sector                                                                                                                                                  | All  |      | ST   |      | SC   |      | others |      |          |
|                                                                                                                                                         | 52nd | 60th | 52nd | 60th | 52nd | 60th | 52nd   | 60th | 60th OBC |
| Rural                                                                                                                                                   | 55   | 88   | 42   | 58   | 54   | 88   | 58     | 102  | 87       |
| Urban                                                                                                                                                   | 54   | 99   | 45   | 61   | 53   | 86   | 55     | 113  | 91       |

Chart 3.2 : Per 1000 reporting ailment during 15 days-52nd & 60th rounds

State level PAP can be seen in Table 2.2, which gives the trend of morbidity for 1995-96 and 2004 for different social groups/ rural & urban areas.

## Treatment of Ailments

### Proportion of Ailing Persons Treated:

In all three surveys, the percentage of ailing persons who got their ailments treated is found to be higher in the urban areas than in the rural areas.

**Chart 3.3: Percent ailments treated during 15 days from date of survey**



The results of the three rounds do not reveal any detectable change over time in the percentage of ailing persons treated. 60th round (Jan-June 2004), the estimates relate to the spells of ailments treated, the estimates obtained from the 52<sup>nd</sup> (1995-96) and the 42<sup>nd</sup> (1986-87) round surveys relate to the proportion of ailing persons medically treated. These two sets of estimates are comparable since the average number of spells per ailing person, for all the categories of persons, has been found to be around 1. The reported rates of treatment of the sick do not indicate any perceptible gender bias in any of the surveys. Moreover, the results of the three rounds do not reveal any detectable change over time in the percentage of ailing persons treated, as can be seen in the chart presented.

#### ***Untreated Spells of Ailment:***

It is seen that, in all rounds of surveys, the reason most often cited for no treatment was that the ailment was 'not serious'.

| Statement 3.3 : Number per 1000 of spells of ailment during last 15 days untreated due to financial reason or ailment not serious for major states |                  |      |      |                     |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------|---------------------|------|------|
| Sector                                                                                                                                             | Financial reason |      |      | Ailment not serious |      |      |
|                                                                                                                                                    | 42nd             | 52nd | 60th | 42nd                | 52nd | 60th |
| Rural                                                                                                                                              | 153              | 242  | 281  | 746                 | 511  | 321  |
| Urban                                                                                                                                              | 96               | 198  | 204  | 811                 | 594  | 500  |

This reason, “ailment not serious” was reported by 32 per cent and 50 per cent of the cases of untreated ailments in the rural and urban areas, respectively in 60th round. In the 52<sup>nd</sup> round, this reason accounted for about 50 to 60 per cent of the cases of untreated ailment. The proportion is found to have come down considerably in the rural areas since 1995-96, pointing to an increase in health consciousness among rural households. The ‘financial problem’ was next in importance as a reason for no treatment, accounting for 28 per cent and 20 per cent of the untreated ailments in the rural and urban areas, respectively.

The component “ailment not serious” has come down from 75% in 86-87 to 51% in 95-96 and to 32 % in 2004 in rural India. But the “financial reason” has gradually increased from 15%, 24% and 28% during the same period, showing the increased burden.

Similar trend was observed in urban areas also. “Ailment not serious” has gradually come down from 81%, 59% and 50% during three survey periods, while “financial reason” has increased from 10% in 86-87 to 20% in 95-96 and 28 in 2004 in urban India. This brings out that public is more concerned about their health, but meeting the health expenditure by one’s own source is becoming more difficult over time.

**Chart 3.4 : Per 1000 spell of ailments not treated due to financial reasons or ailments not serious**

The details of trends in the two reasons for three rounds of surveys can be seen in Table 2.4 in respect of all major states.

***Measures taken other than medical treatment:***

A large proportion of the ailments, even in 2004 are reporting measures taken for recovery/ relief other than medical treatment. Number of such measures taken measures for recovery per 1000 untreated spells of ailments was 534 in rural and 523 in urban.

Such measures were found to be the least in Karnataka, with 98 and 36 reporting such measures for 1000 spells of untreated spells in rural and urban areas respectively. Details of extent of measures taken other than medical treatment can be seen in Table 2.3 for rural/ urban areas for major states.

#### ***Share of Public Provider in Treatment of Illnesses:***

The share of public provider in treatment of ailments varies with expenditure class. It reveals that a large proportion of total ailments were treated from the private sources - 78 per cent in the rural areas and 81 per cent in the urban areas, while the overall proportion of treated (spells of) ailments to all ailments was 82 per cent in the rural and 89 per cent in the urban areas in 2004.

For the people in the lowest MPCE class (less than Rs. 225) in the rural areas, treatment was received from the government institutions in about 30 per cent of the treated cases, whereas the proportion was 18 per cent for highest MPCE class (Rs. 950 & above). In the urban areas, the corresponding proportions were 26 per cent and 11 per cent. More reliance on the public provider among the households belonging to the scheduled categories, both in the rural and in the urban areas was seen.

#### ***Inter-state Variation in Proportion of Ailments Treated by Government Sources:***

Data shows wide inter-state variation in the percentage of ailments treated as well as in the percentage of ailments treated from government sources. Relatively high percentage of treated ailments was reported in the rural areas of Punjab, Haryana, Himachal Pradesh and Jharkhand, and in the urban areas of Uttaranchal, Jharkhand, Punjab, Madhya Pradesh, Haryana, Delhi, Assam and Jammu & Kashmir. But, even among these states, the utilisation of government sources for treatment of ailments varied considerably. While use of public health care facilities for treatment of ailment was lowest in the rural areas of Bihar (5 per cent), followed by Uttar Pradesh, Jharkhand, Maharashtra, Punjab, Uttaranchal and West Bengal, it was highest in Himachal Pradesh (68 per cent), followed by Jammu & Kashmir, Orissa and Rajasthan. In the urban areas, although the proportion of treated cases of ailments was, in general, higher than in the rural, the reliance on the government health institutions was less than in the rural areas. The percentage of ailments treated by government sources was reported to be as low as 11 per cent in the urban areas of Bihar and Maharashtra, followed by Uttar Pradesh (13 per cent), Karnataka

**Chart 3.5 : Trend in share of public provider in non hospitalised treatment**



(16 per cent), Gujarat, Punjab (18 per cent each) and. West Bengal (20 per cent) in 2004. It is also seen that in Kerala, proportion of cases treated through Govt. Institutions was also very high.

### ***Changing Role of Public Institutions:***

The changes in the share of government institutions in the case of non-hospitalised treatment of ailments varied for different states over the periods. It can be seen that there has been a marginal change in the share at the all-India level in both rural and urban areas. While some increase is seen in the utilisation of government institutions in the rural areas, the reverse is the case in the urban areas. States showing an increase in this share were Orissa, Kerala, Karnataka and Rajasthan in respect of rural areas, and Orissa, Punjab and Rajasthan in respect of urban areas. While Bihar and Gujarat showed a decline in the share of public institutions in treatment of non-hospitalised ailments in both rural and urban areas, a significant decline in the share of public institutions in treating ailments can be seen in the urban areas of Kerala, Maharashtra and Tamil Nadu.

Per 1000 hospitalised treatments by public provider in rural and urban areas have gone down from the period 1995- 96 to 2004. In rural the reduction was from 453 in 1995-96 to 417 in 2004, except in Andhra Pradesh and Madhya Pradesh. In urban too, there is a decline during the same period from 431 to 382, except in the case of Tamil Nadu, which recorded an increase.

The hospitalised treatment shows a declining trend in both rural and urban during three survey periods. The share of public provider declined from 597 in 1986-87 to 438 in 1995-96, which further reduced to 417 in 2004. The corresponding figures for urban are 603, 431 and 382 respectively. There is a consistent increase in private participation.

Reasons for preference to the private sector for treatment as compared to the government one is presented in Statement below. It may be seen that during 2004, the main reason appears to be “Not satisfied with medical treatment by govt doctor / facilities” contribute nearly 41% and 45% in rural and urban area respectively. 21% in rural and 14% in urban have reported “distance” as the reason for not availing government services in 2004. “Long waiting” was the reason in 8% of rural and 16% of urban. Other reasons including non availability of facilities and specific services contribute 30% and 26% in rural and urban areas respectively.

| <b>Statement 3.4 : Reasons for preference to private sector for treatment of ailments.</b> |                                                                       |                                                                                                              |                                                                                        |                         |                                                              |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------|
| <b>Sector</b>                                                                              | <b>Share of non-<br/>govt sources<br/>per 1000<br/>treated spells</b> | <b>Spells of ailment receiving treatment from non-govt sources by reasons for<br/>not using govt sources</b> |                                                                                        |                         |                                                              |
|                                                                                            |                                                                       | <b>Govt doctor/<br/>facilities too</b>                                                                       | <b>Not satisfied with<br/>far medical<br/>treatment by govt<br/>doctor/ facilities</b> | <b>Long<br/>waiting</b> | <b>Others including<br/>non availability of<br/>services</b> |
| <b>Rural</b>                                                                               | 777                                                                   | 210                                                                                                          | 407                                                                                    | 83                      | 300                                                          |
| <b>Urban</b>                                                                               | 808                                                                   | 135                                                                                                          | 447                                                                                    | 161                     | 257                                                          |

## Hospitalised Treatment of Ailments

### Proportion of Persons Hospitalised — Inter-state Variation:

The estimated proportion (per 1000) of persons hospitalised during a reference period of 365 days in the rural and urban areas of major states reveal wide inter-state variation in the proportion. In Kerala, the proportion, in both rural and urban areas, was much higher than in the rest of the major states, being as high as 101 and 90. While for the country as a whole, the corresponding estimates were 23 in the rural areas and 31 in the urban areas. The other states, reporting relatively high proportions of persons hospitalised though much less than Kerala were Tamil Nadu, Haryana, Maharashtra and Himachal Pradesh, rural Punjab and urban areas of West Bengal and Gujarat.

### Index of hospitalisation

A comparison of total number of hospitalised cases in rural areas of major states during three surveys in 1986-87, 1995-96 & 2004 shows that there was a decline in the number in 1995-96. Assuming the 42<sup>nd</sup> round period as 100, the all India rural index came down to 57, this again went up to 125 in 2004. In rural areas of Andhra Pradesh, Assam, Bihar, Orissa, Punjab, Uttar Pradesh and West Bengal the number of hospitalisations were reduced during 52<sup>nd</sup> & 60<sup>th</sup> rounds as compared to 42<sup>nd</sup>.

In urban, the index showed an increasing trend. At all India urban, the index increased to 161 and 332 during 95-96 and 2004 respectively as compared to 86-87.

At state level, only in rural areas of Haryana and Maharashtra, there was a continuous increase in the number of hospitalisation. A continuous decline was observed in rural Orissa.

Details of major states can be seen in Table 3.1

### Hospitalised Treatment and Type of Hospital:

The private institutions dominate the field in treating the inpatients and in 2004, with about 58 and 62 per cent of the hospitalised cases in the rural and urban areas respectively, were treated by the non-government institutions

| Statement 3.5 : Trends in Hospitalisation cases- Govt/ Private |       |         |       |         |
|----------------------------------------------------------------|-------|---------|-------|---------|
| Rounds                                                         | Rural |         | Urban |         |
|                                                                | Govt  | Private | Govt  | Private |
| 42nd                                                           | 597   | 403     | 603   | 397     |
| 52nd                                                           | 438   | 562     | 431   | 569     |
| 60th                                                           | 417   | 583     | 382   | 618     |

The role of government and non-government institutions has reversed between the periods 1986-87 and 2004; about 60 per cent of the hospitalised cases were treated by the government institutions in 1986-87 in both rural and urban areas.

**Chart 3.6 : Trends in Distribution of hospitalised cases in three rounds**

A steady decline in the use of Government sources and a corresponding increase in the use of private sources over the last three NSS rounds were seen. The changes were, however, sharper during the period between 1986-87 and 1995-96 rather than between 1995-96 and 2004.

**Type of wards in Govt. and Pvt hospitals:**

Generally treatments in the govt. hospitals are free, but as per the survey results 6.6% of the hospitalised bottom 20% had to pay. Similarly the urban bottom 20% had to pay to the govt. hospitals in 7.1% cases of hospitalisation.

In private sector rural hospitals, the bottom 20% had free hospitalised treatment in 3% of the cases. The urban counterpart got only 2.2% treatment free.

| Statement 3.6 : Per 1000 distribution of hospitalisation cases by type of hospital and type of ward- 60th round |             |                                     |        |     |                   |        |     |       |
|-----------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------|--------|-----|-------------------|--------|-----|-------|
| Sector                                                                                                          | MPCE/ State | Public hospital & public dispensary |        |     | Private hospitals |        |     | Total |
|                                                                                                                 |             | Free                                | Paying | All | Free              | Paying | All | 1000  |
| Rural                                                                                                           | Bottom 20%  | 496                                 | 66     | 568 | 30                | 397    | 427 | 1000  |
|                                                                                                                 | All India   | 350                                 | 66     | 417 | 26                | 557    | 582 | 1000  |
| Urban                                                                                                           | Bottom 20%  | 506                                 | 71     | 576 | 22                | 402    | 424 | 1000  |
|                                                                                                                 | All India   | 304                                 | 78     | 382 | 16                | 602    | 617 | 1000  |

The chart below presents the type of wards and hospitals, as per the results of 60<sup>th</sup> round.

**Chart 3.7 : Hospitalisation-Type of wards-60th round**

**Share of Public Provider in Hospitalised Treatment —Inter-state Variation:**

In both the sectors, the reliance on the private sector is more than that on the public sector. But the rural people had to rely more on public sector hospitals compared to the urban people. Reliance on the public sector for hospitalised treatment varied a great deal from state to state. The proportion (per 1000) of hospitalised treatments received from public sector hospitals varied from 143 (Bihar) to 913 (Jammu & Kashmir) in the rural areas. Apart from Jammu & Kashmir, three other states, viz., Orissa, West Bengal and Himachal Pradesh, reported relatively high proportions of cases of hospitalised treatment from public institutions. Bihar, Haryana and Maharashtra showed a high degree of reliance on private sector hospitals

The bottom 20% of the population in the rural areas depended on public provider for hospitalised treatment as can be seen in **Table 3.3**. The least utilisation of public sector hospitals in rural was in Bihar (13%) followed by Uttar Pradesh (36%) by this class. The bottom 20% of the rural population depended for hospitalised treatment on public sector in the states of Assam (82%), Chhatisgarh (50%), Jharkhand (55%), Kerala (54%), Madhya Pradesh (68%), Maharashtra (51%), Orissa (81%), Rajasthan (51%), Tamil Nadu (55%) and West Bengal (92%).

Majority of the rural population depended on public sector for hospitalisation in the states of Assam (72%), Chhatisgarh (54%), Madhya Pradesh (58%), Orissa (79%), Rajasthan (52%), and West Bengal (79%), where utilisation of govt. facilities in rural areas was more than 50% while in rural India 42% of the cases went to govt. facilities.

In urban area, people of Assam (55%), Chhatisgarh (49%), Madhya Pradesh (49%), Orissa (73%), Rajasthan (64%), and West Bengal (65%) had to depend on public sector facilities for hospitalised treatment in 2004 as presented in Table 3.3.

In urban, the bottom 20% availed govt. facility was least in Bihar (18%), followed by Jharkhand (35%) and Uttar Pradesh (44%). In rest of the states, the bottom 20% depended on Govt. sector. Only the states of Assam (55%), Orissa (73%), Rajasthan (64%) and West Bengal (65%) reported higher utilisation of govt. hospitals.

**Distribution of hospitalisation by MPEC**

In both rural and urban areas of the country, it is seen that the hospitalisation in private sector is positively correlated with the MPEC, which gives a clear indication that people who can afford would prefer private sector, as could be seen in the charts for distribution of hospitalised cases by MPCE in govt. and private sector.

**Chart 3.8 : Distribution of Hospitalisation cases – Rural by MPEC**

**Chart 3.9 : Distribution of Hospitalisation cases – Urban by MPEC**

Table 3.3 gives the distribution of hospitalisation cases by type of hospital and type of wards for govt/ private sectors.

## Cost of Treatment

### Average Expenditure for Non-hospitalised Treatment per Ailing Person:

The estimates of *medical expenditure* incurred per treated person for non-hospitalised treatment during a period of 15 days shows that on an average, a higher amount was spent for non-hospitalised treatment for an ailing person in the urban areas than that for an ailing person in the rural areas.

The total medical expenditure has been divided into two parts – the part paid to the govt sources and the other to the private sources for availing the total service for treatment of the ailment. It is seen that the total expenditure incurred on non-hospitalised treatment is broadly positively correlated with levels of living measured in terms of MPCE. The average total expenditure for treatment, in urban areas, was Rs. 326, much higher than that in the rural areas of Rs. 285. The share of expenditure on private sources in treatment expenses is seen to be more for households with a higher level of living. It is also seen that the medical expenditure per treated ailment varied widely across the states. The variation in urban areas is from Rs.193/- (Kerala) to Rs.443/- (Jammu & Kashmir) while that of rural is from Rs.182/- (Kerala) to Rs.390 (Rajasthan).

| Statement 3.7: Average medical expenditure (Rs.) for non-hospitalised treatment per ailing person during last 15 days- all India |       |       |
|----------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| Gender                                                                                                                           | Rural | Urban |
| Male                                                                                                                             | 275   | 322   |
| Female                                                                                                                           | 240   | 291   |
| Person                                                                                                                           | 257   | 306   |

It was observed that a higher medical expenditure is reported in rural areas of Uttar Pradesh, Uttaranchal and Haryana when compared to urban areas of these states.

### Loss of Household Income:

Often ailment of a working member of the household causes loss of household income. Ailment of a non-working member too causes disruption of usual activity of the working member of the household, which in turn results in loss of household income. The loss of household income for ailments which required non-hospitalised treatment was the highest in Bihar (Rs. 585) followed by Himachal Pradesh (Rs. 200) and Andhra Pradesh (Rs. 175) in the treatment of rural population. This was much higher than the all-India estimate of Rs. 135 as the loss of household income. It was Orissa which had the highest loss of household income (Rs. 887) in treatment of urban population, followed by Jharkhand (Rs. 220), Bihar (Rs. 150) and Andhra Pradesh (Rs. 124), the loss being of Rs. 96 at the all-India level.

### Source of Finance for Non-hospitalised Treatment during the last 15 days:

77 and 88 per cent of the *total expenditure* for treatment of rural and urban population respectively was financed by households' own 'income and savings'. This was 17 and 7 per cent in the case of financing by 'borrowing' by the rural and urban households, respectively. As expected, the dependency on own 'income/savings' for financing of expenditure on treatment was more in the case of households with higher levels of living as measured by monthly consumption expenditure.

In rural India, 19% of the non hospitalised treatments were financed by “borrowing or sale of assets”. This ranges from 14 to 29 percent for different expenditure classes. This is financial burden for medical treatment.

**Chart 3.10 : Health expenditure (15 days) by borrowing/sale of assets (outpatient) –  
All India–Rural**

In urban India, 9% of the non hospitalised treatments are met by borrowing, sale of assets etc. This was as high as 25% for the lowest group of the class with MPEC less than Rs 300. 15% of SC and OBC raised their requirement by these sources in urban areas as presented in the chart for meeting the expences of non hospitalised treatment.

**Chart 3.11 : Health Expenditure (Borrowings/Sale of assets) for outpatients for 15 days –  
All India Urban**

## Cost of Hospitalised Treatment

### Average Expenditure for Medical Treatment per Hospitalisation:

The estimates of average *medical expenditure* incurred per hospitalised case during 365 days for rural and urban areas for all the three rounds were compared. While doing so, the CPI was used to work out the comparative expenditure. Only all India index has been used to adjust the expenditure to make it comparable in different rounds as well as in different states across urban & rural areas.

| Statement 3.8 : Comparative Average total expenditure per hospitalised case during last 365 days by type of hospital – Rural and Urban |                     |      |      |                  |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------|------|------|------------------|------|-------|
| Sector                                                                                                                                 | Government hospital |      |      | Private hospital |      |       |
|                                                                                                                                        | 42nd                | 52nd | 60th | 42nd             | 52nd | 60th  |
| Rural                                                                                                                                  | 1120                | 3307 | 3238 | 2566             | 5091 | 7408  |
| Urban                                                                                                                                  | 1348                | 3490 | 3877 | 4221             | 6234 | 11553 |

Though the expenditure has increased over the three rounds, the comparison after adjusting for the general price rise, it is seen that the increase has been steeper in private sectors.

### Chart 3.12 : Comparative expenditure on hospitalisation adjusted by CPI



### Cost of Treatment per Hospitalisation and Type of Hospital:

The estimates of average medical expenditure incurred for an event of hospitalisation in different types of establishments separately for the rural and urban areas show that the average medical expenditure for hospitalised treatment from a public sector hospital was much lower than that from a private sector hospital.

It may be seen that in the rural areas, the bottom 20% of the population had to pay Rs.5351/- for hospitalisation while this class incurred a marginally higher expense of Rs.5659/- in urban areas. The state wise expenses for hospitalisation is presented in Table 4.2

| Statement 3.9: Hospitalisation expenses in different types of hospitals by MPCE |            |      |         |      |
|---------------------------------------------------------------------------------|------------|------|---------|------|
| Class/ Sector                                                                   |            | Govt | Private | All  |
| India- Rural                                                                    | Bottom 20% | 2469 | 5351    | 3725 |
|                                                                                 | Total      | 3238 | 7408    | 5695 |
| India- Urban                                                                    | Bottom 20% | 2144 | 5659    | 3651 |
|                                                                                 | Total      | 3877 | 11553   | 8851 |

The rural population spent, on an average, Rs.3, 238 for a hospitalised treatment in a public sector hospital and Rs.7, 408 for one in a private sector hospital. The average medical expenditure of the urban population for a hospitalised treatment in a public and private hospital was, Rs.3, 877 and Rs.11, 553 respectively in 2004.

**Chart 3.13 : Standardised Ration of Hospitalisation Expenditure-  
52nd & 60th round**

A comparison of the hospitalisation expenditure of 52<sup>nd</sup> and 60<sup>th</sup> round by calculating the standardised ratio of the two sets of expenditure, after adjusting the price rise by CPI was made. It is seen that the rural govt. hospitals, the relative expenditure has come down to 99 from 100 in a span of 9 years. In the case of other hospitals in rural areas, the relative expenditure has gone up by 9 % points during the same period. In urban, the govt hospitalisation cost 12% more as compared to the earlier period of 95-96 in 2004. There was 37% relative increase in urban private sector for hospitalisation.

#### **Total Expenditure per Hospitalised Case and Inter-state Variation:**

It can be seen that both the average total expenditure and the *medical expenditure* proper per hospitalisation case were almost 50 per cent higher in the urban areas than in the rural areas. The cost per hospitalisation in a government establishment was lowest in Tamil Nadu (Rs. 637 in the rural areas and Rs. 1,666 in the urban). In fact, it was relatively low in all the southern states, as well as in Gujarat, Maharashtra and West Bengal. The highest expenditure for public sector hospitals was reported from rural Haryana and urban Bihar.

In urban Private Institution, per hospitalisation cost was quite high. The poorest 20% had to spend Rs.5659/- which is about 50% of the expenditure made by all classes of Rs.11553/-. In the states of Haryana, Kerala, Maharashtra, Uttar Pradesh and West Bengal, the lowest 20% had to pay more than all India for hospitalisation in Private sector Institutions.

A comparison of medical expenditure in rural and urban areas reveal a gender difference. The comparative expenditure of average medical expenditure shows that in rural areas there was no variation in the medical expenditure for hospitalisation for males, while it has increased by 1.4 times in the case of females. In urban, in the case of both males & females the expenditure has gone up as could be seen in the statement given below.

| <b>Statement 3.10:Comparative Average medical expenditure (Rs.) per hospitalisation adjusted by CPI Rural and Urban</b> |                |             |                |             |
|-------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------------|-------------|
| <b>Gender</b>                                                                                                           | <b>Rural</b>   |             | <b>Urban</b>   |             |
|                                                                                                                         | <b>1995-96</b> | <b>2004</b> | <b>1995-96</b> | <b>2004</b> |
| <b>Male</b>                                                                                                             | 6,007          | 5,946       | 6,654          | 9,535       |
| <b>Female</b>                                                                                                           | 3,991          | 5,406       | 5,764          | 8,112       |
| <b>Person</b>                                                                                                           | 5,091          | 5,695       | 6,234          | 8,851       |

#### **Components of hospital expenditure:**

The average fee given to the doctors/ hospital staff during stay at the hospital was Rs. 1238/- in rural and Rs. 1567/- in urban in private hospitals in 2004. The diagnostic tests per case costed Rs in rural and Rs 449/- in urban Rs 622/- in private hospitals in 2004. Medicine per case was of the order of Rs 2000, both in rural and urban in private sector, as can be seen in the Table given below.

| Statement 3.11: Components of hospital expenditure in govt. /private sector |        |             |            |          |          |           |      |
|-----------------------------------------------------------------------------|--------|-------------|------------|----------|----------|-----------|------|
| Type of hospital                                                            | Sector | Doctor' fee | Diag. test | Bed etc. | Medicine | Blood etc | Food |
| Private                                                                     | Rural  | 1,238       | 449        | 794      | 1,937    | 137       | 235  |
|                                                                             | Urban  | 1,567       | 622        | 950      | 2,167    | 254       | 177  |
| Public                                                                      | Rural  | 61          | 175        | 64       | 976      | 55        | 137  |
|                                                                             | Urban  | 66          | 215        | 83       | 886      | 65        | 107  |

The doctor's/ hospital staff in public hospital was around Rs. 60/- as can be seen in the table above. The cost of medicine was Rs 976 and Rs 886 in rural and urban respectively. The diagnostic test on the average costed Rs 175 in rural and Rs 215 in urban govt. hospitals.

The expenses on purchase of medicines were higher in private hospitals in Bihar, Haryana, Karnataka, Maharashtra, Orissa and Rajasthan in rural areas. In urban, Rajasthan, Tamil Nadu and West Bengal spent more for medicines per hospitalisation as can be seen in Table 4.5.

Similarly in the govt. sector, per hospitalised case in rural, in the states of Assam, Bihar, Gujarat, Haryana, Orissa, Punjab and Uttar Pradesh had to spend more on purchase of medicines. The least expenditure was in the case of Tamil Nadu.

In urban govt hospitals, more expenditure was incurred per hospitalised case for purchase of medicines in the states of Assam, Jharkhand, Orissa, Punjab, Rajasthan, Uttar Pradesh and West Bengal was seen in 2004.

#### Loss of Household Income:

The loss of household income due to hospitalisation was highest in Himachal Pradesh (Rs. 1,893), followed by Jammu & Kashmir (Rs. 1,377) and Jharkhand (Rs. 1,357) in the rural areas. This was much higher than the all-India estimate of Rs. 636.

It was Jharkhand which revealed the highest loss of household income (Rs. 3,971) in the urban areas, followed by Assam (Rs. 1,714) and Andhra Pradesh (Rs. 1,650) - the extent of loss being Rs. 745 at the all-India level.

| Statement 3.12: Hospitalisation expenditure and Loss of income – by class/ sector |            |                                                         |           |                    |                          |
|-----------------------------------------------------------------------------------|------------|---------------------------------------------------------|-----------|--------------------|--------------------------|
| Sector                                                                            | Class      | Average total expenditure on account of hospitalisation |           |                    | Loss of household income |
|                                                                                   |            | Medical exp. on treatment during stay in hospital       | Other exp | Total exp for hosp |                          |
| Rural                                                                             | Bottom 20% | 3,725                                                   | 392       | 4,117              | 498                      |
|                                                                                   | Total      | 5,695                                                   | 530       | 6,225              | 636                      |
| Urban                                                                             | Bottom 20% | 3,651                                                   | 256       | 3,906              | 660                      |
|                                                                                   | Total      | 8,851                                                   | 516       | 9,367              | 745                      |

The loss of household's income due to hospitalisation during the three survey periods after adjusting for the inflation using CPI has been compared.

| <b>Statement 3.13: Comparison of loss in household income in 42<sup>nd</sup>, 52<sup>nd</sup> and 60<sup>th</sup> rounds</b> |                                                                        |             |             |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------|-------------|
| <b>Sector</b>                                                                                                                | <b>Loss of household income due to hospitalisation adjusted by CPI</b> |             |             |
|                                                                                                                              | <b>42nd</b>                                                            | <b>52nd</b> | <b>60nd</b> |
| <b>Rural</b>                                                                                                                 | 480                                                                    | 895         | 772         |
| <b>Urban</b>                                                                                                                 | 581                                                                    | 828         | 865         |

The loss of household income has been more than the loss per hospitalisation case. The loss in household income in rural was more, as could be seen in the statement presented above.

#### **Source of Finance for Hospitalised Treatment during the last 365 days:**

A perceptible rural-urban difference is noted in the relative importance of different source categories. While the rural households depended in equal measure on their 'income/saving' and on 'borrowing etc' – 41 and 47 per cent respectively — the urban households relied much more on their 'income/saving' (58 per cent) for financing expenditure on hospitalisation, than on 'borrowings etc' (31 per cent). The households in the lower and middle expenditure classes in the rural areas, however, depended more on 'borrowings', as their 'income/savings', perhaps, were not adequate to meet this expenditure.

In rural India, about 47% of the hospitalisation cases were financed by loans, sale of assets etc. This ranges from 37 to 63 percent for different class of households. The high expenditure for hospitalised treatment in the private sector as well as the decline in the proportion of hospitalisation in the public sector where the expenses are less has caused this high burden on the population.

#### **Chart 3.14 : Exp. of hospitalisation by borrowing & sale of assets – Rural – 60th round**

### Chart 3.15 : Exp. of hospitalisation by borrowing & sale of assets – Urban – 60th round

In urban India, about 31% of the hospitalisation cases were financed by loans, sale of assets etc. This ranges from 13 to 55 percent for different class of households, making it difficult to meet the hospital expenditure. The urban lower class of the population can't meet the high expenses of hospitalisation and needs to depend only on public sector.

Distribution of source of finance can be seen in Table 4.4

Both in rural and urban areas the financial burden of the medical treatment as an inpatient is very heavy. It is also seen that the number of untreated ailments are on the increase gradually due to financial reasons. In 1986-87 the financial reason was reported by 15% and 10% in rural and urban areas respectively. The same has increased to 28% in rural and 20% in urban areas in 2004. With the increased financial outlay, the govt. sector should give better service so that the public at large will not come up with specific reasons like “facilities too far” (19%), “not satisfied with medical treatment by doctor/ facilities” (42%), “long waiting” (11%) and “required services not available” (5%).



### Expenditure Incurred on Immunisation and Levels of Living:

Under the immunisation programme all the vaccines are made available to the public free of cost. However some expenditure is incurred by the household. The expenditure is more when the vaccine is taken from the private sector. Average expenditure incurred by the households for any immunisation of children in the age-group 0–4 years is given for different levels of living show a wide gap in the average expenditure for immunisation of children. Around Rs. 20 was spent for immunisation of a rural child and Rs. 113, nearly 6 times as much for an urban child.

The expenditure was high in rural areas of Kerala followed by Andhra Pradesh and Tamil Nadu, where immunisation rates are also high.

In urban areas of Assam, Bihar, Jharkhand expenditure was higher than all India, despite the low immunisation rates. Gujarat, Maharashtra and West Bengal showed high expenditure, even though immunisation rates are higher than many states. Kerala and Tamil Nadu have higher achievements, with higher private expenditure.

The detail can be seen in Table 6.3

### Expenditure on Childbirth during the last 365 days:

An average of Rs. 1,521 was spent per childbirth during January-June, 2004, this amount being Rs. 1,169 and Rs. 2,806 in the rural and urban, respectively. The cost of a child delivery in private hospital was as high as Rs. 4137 in rural as compared to Rs. 5480 in urban. Only in rural Bihar, the expenditure in govt. hospital (Rs. 2327) is more than a private hospital (Rs. 2187).

In both rural and urban areas, the expenditure for child birth was less than Rs 500 only in the states of Karnataka and Tamil Nadu in the government sector.

Among major states, in rural areas, Haryana(5240), Kerala(6391), Madhya Pradesh (7186), Punjab (5770), Tamil Nadu (5199) and West Bengal (4370) the expenditure in private sector is more than all India expenditure being Rs. 4137. In urban Assam (6681), Karnataka (6937), Kerala (6172), Madhya Pradesh (5624), Maharashtra (5995), Orissa (6931), Punjab (5804), Rajasthan (6345), Tamil Nadu (6744), and West Bengal (6551) the expenditure in private hospitals is more than all India, being Rs. 5490 for a child birth in 2004

State wise expenditure for childbirth in rural and urban sector can be seen in Table 6.2.

**Statement 4.1: Average expenditure (Rs.) per childbirth by place of delivery 60<sup>th</sup> round Average expenditure incurred on childbirth**

| Social gr.       | Govt. hosp |       | Private hosp |       | At home |       | All   |       |
|------------------|------------|-------|--------------|-------|---------|-------|-------|-------|
|                  | Rural      | Urban | Rural        | Urban | Rural   | Urban | Rural | Urban |
| <b>All India</b> | 1169       | 994   | 4138         | 5489  | 414     | 552   | 1171  | 2811  |
| <b>SC</b>        | 675        | 813   | 3082         | 5458  | 264     | 388   | 496   | 1650  |
| <b>ST</b>        | 934        | 737   | 3212         | 5070  | 409     | 506   | 825   | 1741  |
| <b>OBC</b>       | 1236       | 852   | 3673         | 5320  | 446     | 639   | 1189  | 2703  |
| <b>Others</b>    | 1507       | 1312  | 5389         | 5719  | 456     | 472   | 1829  | 3539  |

It may be seen the average expenditure incurred in private hospitals in rural was Rs 3100/- for SC and Rs 5400/- for “Others”. In urban, ST incurred about Rs 5100/- while “Others” on an average incurred about Rs 5700/- .

**Chart 4.1 : Average expenditure on child birth-60th round**

## **Expenditure incurred for availing Maternity Care:**

Expenditure involved in the case of availing of antenatal care services was more than that of the post-natal care services, in both rural & urban areas. The average expenditure on antenatal and post-natal care was, respectively, Rs. 499 and Rs. 404 in the rural areas. The corresponding values in the urban areas were Rs. 906 and Rs. 596.



For ANC services in rural, the expenditure in private sector was Rs 918, while it was Rs 230 in govt sector. The expenditure was high in govt. sector in the states of Andhra Pradesh (407), Bihar (408), Kerala (1337), Punjab (930), Rajasthan (292) and West Bengal (262). In rural private sector, ANC expenditure was very high in the states of Andhra Pradesh (1446), Gujarat (1872), Karnataka (948), Kerala (1492), Madhya Pradesh (1189), Maharashtra (1246) Punjab (1641) and Tamil Nadu (1730).

In urban, the govt sector expenditure for ANC was high in Andhra Pradesh (630), Assam (412), Jharkhand (419), Kerala (1163), Orissa (617) and Rajasthan (586), the all India expenditure being Rs 356. ANC services in urban private sector at all India level was Rs 1377. The states of Andhra Pradesh (1614), Gujarat (1568), Kerala (1905), Maharashtra (1636), Punjab (2282), Rajasthan (1687) and Tamil Nadu (1739) had higher expenditure.

| Statement 4.2: Average expenditure (Rs.) on antenatal care services (ANC), post-natal care services (PNC) by women by source of service - 60 <sup>th</sup> round |                                         |      |     |                                         |      |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------|-----|-----------------------------------------|------|-----|
| Sector                                                                                                                                                           | Average expenditure on ANC from sources |      |     | Average expenditure on PNC from sources |      |     |
|                                                                                                                                                                  | Govt.                                   | Pvt. | All | Govt.                                   | Pvt. | All |
| Rural                                                                                                                                                            | 230                                     | 918  | 499 | 232                                     | 541  | 402 |
| Urban                                                                                                                                                            | 356                                     | 1377 | 905 | 367                                     | 762  | 595 |

There was no variation in expenditure in ANC and PNC in rural (around Rs 230) and in urban (around Rs 360) at all India level.

The pattern of PNC services expenditure almost follows the same pattern, but the expenditure was almost half of ANC services for private sector at all India level. In rural, PNC was high in private sector in Gujarat (17810, Haryana (1245), Kerala (1388) and Rajasthan (864). PNC costed more in urban areas of Assam (1663), Haryana (1303), Kerala (1331), Orissa (1540) and Rajasthan (1805) as can be seen in Table 6.1.



### Old-age Dependency Ratio:

The old-age dependency ratio is higher in the rural than in the urban areas in 2004. In the rural areas, every 1000 persons in the working age had to provide support, physically or otherwise, to 125 aged persons, to maintain their daily life. The number was 103, a little less, in the urban areas.

### Physical Mobility:

It is seen that the morbidity is more with the elderly persons. The perception of one's own health, for both elderly with illness and otherwise is presented in Table 7.1. For the aged persons the ability to move is an important indicator of their physical condition of health and also indicates the degree of their dependence on others for movement and performing their daily routine. The proportion (number per 1000) of the aged persons who cannot move around and are confined to their home or who cannot move at all and are confined to bed is given in Table 7.3. About 8 per cent of the aged persons were either confined to their home or bed. The proportion of aged persons reporting confinement to their home or bed was found to increase with the age for all categories, being as high as 27 for persons aged 80 or more.

| Statement 5.1: Proportion (number per 1000) of aged persons who cannot move and are confined to bed or home |       |        |        |       |        |        |
|-------------------------------------------------------------------------------------------------------------|-------|--------|--------|-------|--------|--------|
| Age-group (years)                                                                                           | Rural |        |        | Urban |        |        |
|                                                                                                             | Male  | Female | Person | Male  | Female | Person |
| 60-64                                                                                                       | 27    | 34     | 31     | 33    | 34     | 33     |
| 64-69                                                                                                       | 51    | 50     | 51     | 34    | 63     | 50     |
| 70-74                                                                                                       | 79    | 132    | 105    | 77    | 116    | 97     |
| 75-79                                                                                                       | 117   | 163    | 139    | 113   | 185    | 147    |
| 80 & above                                                                                                  | 220   | 326    | 269    | 239   | 323    | 283    |
| All aged                                                                                                    | 67    | 88     | 77     | 68    | 100    | 84     |

### Own Perception about Health:

The perception about one's health is an important factor in getting an idea about a person's actual health condition. A person may be considered as being in good health if he feels so. This is the criterion generally used in NSS surveys to classify an individual as sick or otherwise. The perception of aged persons about their current health is presented in Table 7.1 separately for those with sickness and without it. It can be

seen that as high as 56 to 65 per cent of the aged with sickness felt that they were in a good condition of health. This proportion among the aged without sickness was 79 to 84 per cent. As against this, about 16 to 21 per cent of the aged who were not even sick considered themselves as having a 'poor' state of health.

| Statement 5.2: Per 1000 distribution of aged persons by own perception about their health |                                              |                            |        |        |                               |        |        |
|-------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|--------|--------|-------------------------------|--------|--------|
| Sector                                                                                    | Own perception about current state of health | Aged persons with sickness |        |        | Aged persons without sickness |        |        |
|                                                                                           |                                              | Male                       | Female | Person | Male                          | Female | Person |
| Rural                                                                                     | Good                                         | 599                        | 539    | 570    | 853                           | 813    | 833    |
|                                                                                           | Poor                                         | 401                        | 460    | 429    | 147                           | 187    | 167    |
| Urban                                                                                     | Good                                         | 672                        | 639    | 655    | 889                           | 852    | 870    |
|                                                                                           | Poor                                         | 327                        | 360    | 345    | 111                           | 148    | 130    |

The percentage of aged persons with illness having perception of their health is good seen to be more than the All India percentage in the States of Maharashtra and Tamil Nadu in both rural and urban areas where as only in rural areas of Haryana, Jharkhand & Punjab and urban Gujarat perception of their health is good. The percentage is more than the All India percentage of 44 in terms of poor state of health is reported by rural areas of Chhattisgarh, Kerala, Orissa and West Bengal and urban areas of Assam, Bihar, Chhattisgarh, Jharkhand, Kerala, Madhya Pradesh, Orissa, Rajasthan, Uttar Pradesh and West Bengal.

**Chart 5.1 : Physical mobility of aged-All India**

More than the All India percentage of 79% of aged persons whose perception is good among the aged persons with out illness is reported by the states of Andhra Pradesh, Chhattisgarh, Gujarat, Haryana, Jharkhand, Karnataka, Maharashtra, Punjab, Rajasthan and Tamil Nadu. The same trend is seen for urban areas of the states of Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Punjab and Tamil Nadu. The percentage of poor state of health is more than the All India percentage of 21% in rural areas of Assam, Bihar, Jharkhand, Kerala, Orissa, Uttar Pradesh and West Bengal The corresponding urban percentage is seen in the states of Assam, Bihar, Chhattisgarh, Jharkhand, Orissa, Rajasthan, Uttar Pradesh and West Bengal.

#### **Chart 5.2 : State of physical mobility of the aged**

The problems of the aged may increase owing to the increase in the proportion of nuclear families, especially in the urban areas. With the advancement of age, the proportion of elderly either confining to home or confining to bed increases as can be seen in the chart above. The care of the elderly is a challenge to the society, where social security in the country is almost negligible.



- ❖ The bottom 20% of the population in rural and urban areas use “others” as media of cooking, which is mostly smoke producing. Use of smoke producing cooking media needs to be checked, especially in urban with high density of population.
- ❖ The share of the public institutions in treatment of hospitalised cases as well as non- hospitalisation cases has shown a downward trend as per the outcome of three surveys. Whether the government facilities are fully utilised? Some up at frequent internals may help in assessing beneficiaries accessing public facilities.
- ❖ Nearly 80% of the treated cases are by the private sector. With the increased financial outlay, the govt. sector should give better service so that the public at large will not come up with specific reasons like “facilities too far” (19%), “not satisfied with medical treatment by doctor/ facilities” (42%), “long waiting” (11%) and “required services not available” (5%). This impression should improve with putting in place IPHS by providing comparable service, since the infrastructure along with manpower is provided by the public sector. The huge infrastructural facilities created over years should gear up for service delivery.
- ❖ 50% of the hospitalisation cases for the bottom 20% of the population in 2004 were free in the government sector. About 40% of this class had to pay in private sector hospitals. The private sector contributed only 3% free hospitalisation for this class in rural areas and 2% in urban. The social responsibilities of increasing the free facilities for the bottom class needs to be considered.
- ❖ Even in the case of non- hospitalised treatment, the burden has been too much on the household. “Borrowing or sale of assets, ornament & draught animals, etc” was found to be in 19% of the cases in rural and 15% of the cases in urban. In the case of hospitalised treatments this reason has been observed in 47% of the rural hospitalised cases and the corresponding figure in urban area is 30%. This substantially varies in different levels of standard of living. Medical expenses appear to be the main cause of poorer becoming poorer. There is a case for medical insurance, if the government outlets fail to reach the poor.
- ❖ Bottom 20% of the population had to spend Rs.5351/- in rural areas and Rs.5659/- in urban areas for treatment in private hospitals for each case. In all the charges per case in private hospitals is Rs.7408/- in rural and Rs.11553/- in urban. Since the share of hospitalisation is going up in the private sector consistently, the general population has to resort to borrowings etc., as brought out earlier. The allocation for the health sector is likely to be enhanced- can the poorer get subsidised health care?
- ❖ The government sector utilisation has been more by the lower stratum of the population and the

private sector utilisation increases as the level of living increases, both in rural and urban areas. However people are forced to go to private sector both in rural and urban areas. There is need to provide essential medicine, especially to treat the lower strata of the society. It was observed that the private sector average expenditure for medicine per hospitalised case in 2004 was of the order of Rs. 2000/-

- ❖ Both in rural and urban areas the financial burden of the medical treatment as an inpatient is very heavy. It is also seen that the number of untreated ailments are on the increase gradually due to financial reasons. In 1986-87 the financial reason was reported by 15% and 10% in rural and urban areas respectively for non treatment of ailments. The same has increased to 28% in rural and 20% in urban areas in 2004.
- ❖ Health awareness has increased in all direction. This is clear from the decrease in the proportion of non treatment of ailments due to the reason” ailment not serious” This reason has declined from 75% to 32% in rural areas and 81% to 50% in urban areas from 1986-87 to 2004. This needs further reduction by more health awareness campaign.
- ❖ The public sector has been catering to only about one out of five non hospitalised treatment, which has not changed over time as observed in all the three surveys. Even the non hospitalised treatment is beyond reach for certain categories, the public sector needs to come forward with an increased package.
- ❖ The increase in the expenditure of maternal and child care services, where it is free under the programme, especially in the rural needs to be looked into.
- ❖ The institutional deliveries have improved over the years, but at a prohibitive cost. Can the govt. consider subsidising the cost of at least two deliveries, as prevalent in some of the states?



# Annexure

**Table 1.1: Per 1000 distribution of households by type of structure -Major states- Rural & Urban-60<sup>th</sup> round (2004)**

| Major state    | Household with structure |       |            |       |        |       | Total |
|----------------|--------------------------|-------|------------|-------|--------|-------|-------|
|                | Pucca                    |       | Semi-pucca |       | Kutcha |       |       |
|                | Rural                    | Urban | Rural      | Urban | Rural  | Urban |       |
| Andhra Pradesh | 616                      | 864   | 181        | 70    | 203    | 66    | 1000  |
| Assam          | 165                      | 622   | 433        | 311   | 402    | 67    | 1000  |
| Bihar          | 431                      | 825   | 255        | 60    | 314    | 114   | 1000  |
| Chhattisgarh   | 91                       | 706   | 894        | 281   | 15     | 13    | 1000  |
| Gujarat        | 594                      | 926   | 349        | 57    | 57     | 16    | 1000  |
| Haryana        | 940                      | 975   | 34         | 18    | 26     | 7     | 1000  |
| Jharkhand      | 226                      | 809   | 577        | 170   | 196    | 21    | 1000  |
| Karnataka      | 466                      | 746   | 473        | 224   | 60     | 29    | 1000  |
| Kerala         | 730                      | 847   | 198        | 129   | 72     | 24    | 1000  |
| Madhya Pradesh | 313                      | 887   | 588        | 100   | 99     | 13    | 1000  |
| Maharashtra    | 532                      | 864   | 418        | 117   | 50     | 19    | 1000  |
| Orissa         | 209                      | 651   | 289        | 153   | 502    | 196   | 1000  |
| Punjab         | 840                      | 913   | 135        | 63    | 26     | 24    | 1000  |
| Rajasthan      | 596                      | 961   | 214        | 29    | 189    | 9     | 1000  |
| Tamilnadu      | 535                      | 781   | 217        | 118   | 248    | 103   | 1000  |
| Uttar Pradesh  | 561                      | 868   | 244        | 88    | 195    | 44    | 1000  |
| West Bengal    | 262                      | 789   | 469        | 166   | 269    | 45    | 1000  |
| All India      | 480                      | 842   | 332        | 115   | 188    | 43    | 1000  |

**Table 1.1 (S): Per 1000 distribution of households by type of structure smaller states & UTs- Rural & Urban-60th round (2004)**

| Major state               | Household with structure |       |            |       |        |       | Total |
|---------------------------|--------------------------|-------|------------|-------|--------|-------|-------|
|                           | Pucca                    |       | Semi-pucca |       | Kutcha |       |       |
|                           | Rural                    | Urban | Rural      | Urban | Rural  | Urban |       |
| Arunachal Pradesh         | 46                       | 359   | 137        | 359   | 818    | 282   | 1000  |
| Delhi                     | 973                      | 949   | 11         | 24    | 16     | 27    | 1000  |
| Goa                       | 787                      | 772   | 213        | 174   | 0      | 54    | 1000  |
| Himachal Pradesh          | 723                      | 843   | 251        | 89    | 26     | 68    | 1000  |
| Jammu & Kashmir           | 352                      | 714   | 444        | 227   | 204    | 59    | 1000  |
| Manipur                   | 57                       | 179   | 588        | 683   | 355    | 138   | 1000  |
| Meghalaya                 | 372                      | 766   | 400        | 193   | 228    | 41    | 1000  |
| Mizoram                   | 538                      | 773   | 383        | 202   | 80     | 25    | 1000  |
| Nagaland                  | 476                      | 701   | 493        | 270   | 31     | 29    | 1000  |
| Sikkim                    | 588                      | 908   | 298        | 76    | 113    | 16    | 1000  |
| Tripura                   | 53                       | 310   | 761        | 668   | 186    | 22    | 1000  |
| Uttaranchal               | 837                      | 968   | 14         | 29    | 149    | 3     | 1000  |
| Andaman & Nicobar Islands | 619                      | 948   | 282        | 48    | 99     | 5     | 1000  |
| Chandigarh                | 943                      | 949   | 37         | 35    | 20     | 17    | 1000  |
| Dadra & Nagar Haveli      | 385                      | 843   | 372        | 80    | 243    | 77    | 1000  |
| Daman & Diu               | 945                      | 944   | 48         | 0     | 7      | 56    | 1000  |
| Lakshadweep               | 991                      | 951   | 8          | 32    | 1      | 17    | 1000  |
| Pondicherry               | 464                      | 820   | 81         | 104   | 455    | 76    | 1000  |

| Table 1.2: Per 1000 distribution of households by major source of drinking water<br>Major states-Rural & Urban-60 <sup>th</sup> round (2004) |                           |       |                         |       |            |       |        |       |       |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------|-------------------------|-------|------------|-------|--------|-------|-------|
| Major state                                                                                                                                  | Sources of drinking water |       |                         |       |            |       |        |       | Total |
|                                                                                                                                              | Tap                       |       | Tube-well/<br>hand pump |       | Pucca well |       | Others |       |       |
|                                                                                                                                              | Rural                     | Urban | Rural                   | Urban | Rural      | Urban | Rural  | Urban |       |
| Andhra Pradesh                                                                                                                               | 572                       | 783   | 279                     | 127   | 99         | 25    | 50     | 65    | 1000  |
| Assam                                                                                                                                        | 63                        | 321   | 609                     | 495   | 201        | 164   | 127    | 20    | 1000  |
| Bihar                                                                                                                                        | 23                        | 310   | 925                     | 680   | 46         | 9     | 6      | 1     | 1000  |
| Chhattisgarh                                                                                                                                 | 48                        | 688   | 763                     | 230   | 164        | 68    | 25     | 14    | 1000  |
| Gujarat                                                                                                                                      | 470                       | 859   | 386                     | 91    | 88         | 2     | 56     | 48    | 1000  |
| Haryana                                                                                                                                      | 445                       | 752   | 446                     | 229   | 94         | 11    | 15     | 8     | 1000  |
| Jharkhand                                                                                                                                    | 19                        | 435   | 473                     | 331   | 458        | 185   | 50     | 49    | 1000  |
| Karnataka                                                                                                                                    | 563                       | 815   | 307                     | 117   | 104        | 20    | 26     | 48    | 1000  |
| Kerala                                                                                                                                       | 107                       | 347   | 62                      | 49    | 766        | 591   | 65     | 13    | 1000  |
| Madhya Pradesh                                                                                                                               | 116                       | 648   | 625                     | 278   | 237        | 48    | 22     | 26    | 1000  |
| Maharashtra                                                                                                                                  | 415                       | 879   | 259                     | 55    | 213        | 27    | 113    | 39    | 1000  |
| Orissa                                                                                                                                       | 64                        | 492   | 718                     | 278   | 183        | 221   | 35     | 9     | 1000  |
| Punjab                                                                                                                                       | 302                       | 682   | 687                     | 239   | 4          | 0     | 7      | 79    | 1000  |
| Rajasthan                                                                                                                                    | 236                       | 828   | 493                     | 99    | 133        | 23    | 138    | 50    | 1000  |
| Tamilnadu                                                                                                                                    | 815                       | 691   | 100                     | 58    | 48         | 13    | 37     | 238   | 1000  |
| Uttar Pradesh                                                                                                                                | 39                        | 407   | 883                     | 585   | 75         | 6     | 3      | 2     | 1000  |
| West Bengal                                                                                                                                  | 67                        | 575   | 854                     | 398   | 65         | 12    | 14     | 15    | 1000  |
| All India                                                                                                                                    | 248                       | 676   | 564                     | 224   | 139        | 44    | 49     | 56    | 1000  |

**Table 1.2 ( S ): Per 1000 distribution of households by major source of drinking water -Smaller states & UTs - Rural & Urban - 60th Round (2004)**

| Major state                  | Sources of drinking water |       |                         |       |            |       |        |       | Total |
|------------------------------|---------------------------|-------|-------------------------|-------|------------|-------|--------|-------|-------|
|                              | Tap                       |       | Tube-well/<br>hand pump |       | Pucca well |       | Others |       |       |
|                              | Rural                     | Urban | Rural                   | Urban | Rural      | Urban | Rural  | Urban |       |
| Arunachal Pradesh            | 651                       | 853   | 173                     | 77    | 1          | 0     | 175    | 70    | 1000  |
| Delhi                        | 813                       | 808   | 81                      | 37    | 0          | 0     | 106    | 155   | 1000  |
| Goa                          | 902                       | 793   | 0                       | 0     | 85         | 134   | 13     | 73    | 1000  |
| Himachal Pradesh             | 759                       | 819   | 47                      | 53    | 13         | 4     | 182    | 124   | 1000  |
| Jammu & Kashmir              | 493                       | 859   | 157                     | 48    | 12         | 0     | 338    | 93    | 1000  |
| Manipur                      | 288                       | 617   | 136                     | 130   | 0          | 11    | 576    | 242   | 1000  |
| Meghalaya                    | 336                       | 838   | 94                      | 0     | 108        | 30    | 462    | 132   | 1000  |
| Mizoram                      | 147                       | 478   | 22                      | 10    | 0          | 8     | 831    | 504   | 1000  |
| Nagaland                     | 237                       | 449   | 121                     | 170   | 41         | 30    | 601    | 351   | 1000  |
| Sikkim                       | 213                       | 981   | 0                       | 0     | 0          | 0     | 787    | 19    | 1000  |
| Tripura                      | 253                       | 531   | 423                     | 366   | 99         | 14    | 225    | 89    | 1000  |
| Uttaranchal                  | 614                       | 894   | 269                     | 41    | 1          | 0     | 116    | 65    | 1000  |
| Andaman &<br>Nicobar Islands | 877                       | 974   | 0                       | 0     | 31         | 0     | 92     | 26    | 1000  |
| Chandigarh                   | 997                       | 997   | 3                       | 0     | 0          | 0     | 0      | 3     | 1000  |
| Dadra & Nagar<br>Haveli      | 249                       | 640   | 508                     | 347   | 205        | 6     | 38     | 7     | 1000  |
| Daman & Diu                  | 259                       | 830   | 661                     | 93    | 59         | 62    | 21     | 15    | 1000  |
| Lakshadweep                  | 130                       | 70    | 4                       | 0     | 861        | 865   | 5      | 65    | 1000  |
| Pondicherry                  | 993                       | 858   | 7                       | 31    | 0          | 111   | 0      | 0     | 1000  |

**Table 1.3 : Per 1000 distribution of households by Primary source of energy for cooking-Major states 60th Round (2004)**

| Major state    | Sources of energy  |       |       |       |          |       |        |       | Total |
|----------------|--------------------|-------|-------|-------|----------|-------|--------|-------|-------|
|                | Firewood and chips |       | LPG   |       | Kerosene |       | Others |       |       |
|                | Rural              | Urban | Rural | Urban | Rural    | Urban | Rural  | Urban |       |
| Andhra Pradesh | 856                | 245   | 112   | 586   | 6        | 101   | 26     | 68    | 1000  |
| Assam          | 929                | 192   | 57    | 774   | 2        | 20    | 11     | 14    | 1000  |
| Bihar          | 554                | 177   | 14    | 543   | 2        | 61    | 430    | 217   | 1000  |
| Chhattisgarh   | 949                | 422   | 7     | 401   | 7        | 36    | 37     | 140   | 1000  |
| Gujarat        | 836                | 152   | 113   | 521   | 21       | 228   | 31     | 100   | 1000  |
| Haryana        | 600                | 197   | 163   | 752   | 10       | 30    | 227    | 22    | 1000  |
| Jharkhand      | 850                | 101   | 24    | 466   | 2        | 18    | 124    | 414   | 1000  |
| Karnataka      | 883                | 285   | 90    | 532   | 5        | 99    | 24     | 86    | 1000  |
| Kerala         | 814                | 438   | 170   | 498   | 4        | 10    | 12     | 53    | 1000  |
| Madhya Pradesh | 942                | 396   | 14    | 522   | 0        | 55    | 45     | 28    | 1000  |
| Maharashtra    | 787                | 125   | 119   | 650   | 12       | 147   | 82     | 79    | 1000  |
| Orissa         | 771                | 278   | 23    | 397   | 3        | 88    | 202    | 237   | 1000  |
| Punjab         | 320                | 129   | 362   | 602   | 3        | 175   | 315    | 94    | 1000  |
| Rajasthan      | 908                | 287   | 57    | 634   | 5        | 43    | 30     | 36    | 1000  |
| Tamilnadu      | 836                | 256   | 129   | 493   | 27       | 169   | 8      | 82    | 1000  |
| Uttar Pradesh  | 641                | 332   | 44    | 518   | 3        | 40    | 311    | 111   | 1000  |
| West Bengal    | 751                | 142   | 38    | 454   | 6        | 140   | 204    | 263   | 1000  |
| All India      | 770                | 223   | 82    | 566   | 8        | 110   | 140    | 101   | 1000  |

**Table 1.3 ( S ): Per 1000 distribution of households by Primary source of energy for cooking-  
Major states 60th Round (2004)**

| Major state    | Sources of energy  |       |       |       |          |       |        |       | Total |
|----------------|--------------------|-------|-------|-------|----------|-------|--------|-------|-------|
|                | Firewood and chips |       | LPG   |       | Kerosene |       | Others |       |       |
|                | Rural              | Urban | Rural | Urban | Rural    | Urban | Rural  | Urban |       |
| Andhra Pradesh | 860                | 284   | 101   | 609   | 0        | 71    | 38     | 37    | 1000  |
| Assam          | 10                 | 28    | 909   | 800   | 17       | 151   | 63     | 20    | 1000  |
| Bihar          | 245                | 185   | 633   | 683   | 3        | 113   | 119    | 19    | 1000  |
| Chhattisgarh   | 725                | 85    | 242   | 675   | 19       | 119   | 16     | 121   | 1000  |
| Gujarat        | 813                | 234   | 130   | 631   | 2        | 72    | 54     | 62    | 1000  |
| Haryana        | 784                | 380   | 205   | 588   | 9        | 14    | 2      | 19    | 1000  |
| Jharkhand      | 940                | 226   | 6     | 389   | 4        | 161   | 49     | 224   | 1000  |
| Karnataka      | 729                | 112   | 270   | 873   | 1        | 6     | 0      | 9     | 1000  |
| Kerala         | 567                | 23    | 406   | 931   | 27       | 0     | 0      | 46    | 1000  |
| Madhya Pradesh | 684                | 2     | 232   | 699   | 51       | 54    | 33     | 245   | 1000  |
| Maharashtra    | 934                | 467   | 64    | 488   | 0        | 32    | 3      | 13    | 1000  |
| Orissa         | 887                | 94    | 85    | 767   | 5        | 30    | 22     | 108   | 1000  |
| Punjab         | 493                | 20    | 350   | 434   | 132      | 488   | 25     | 58    | 1000  |
| Rajasthan      | 58                 | 6     | 545   | 866   | 344      | 27    | 53     | 101   | 1000  |
| Tamilnadu      | 607                | 145   | 309   | 395   | 83       | 369   | 0      | 91    | 1000  |
| Uttar Pradesh  | 142                | 47    | 133   | 777   | 722      | 162   | 3      | 13    | 1000  |
| West Bengal    | 658                | 662   | 45    | 191   | 130      | 123   | 167    | 24    | 1000  |
| All India      | 691                | 272   | 252   | 597   | 0        | 71    | 58     | 59    | 1000  |

**Table 2.1: Number per 1000 persons reporting ailment during the last 15 days by MPCE class and social group for major States - 60th round (2004)**

| States         | MPCE Class | Social Group |           |           |           |            |
|----------------|------------|--------------|-----------|-----------|-----------|------------|
| Rural          | Bottom 30% | All          | ST        | SC        | OBC       | Others     |
| Andhra Pradesh | 73         | 90           | 70        | 82        | 84        | 118        |
| Assam          | 102        | 82           | 67        | 75        | 87        | 86         |
| Bihar          | 37         | 53           | 53        | 53        | 54        | 48         |
| Chhattisgarh   | 61         | 69           | 51        | 97        | 80        | 41         |
| Gujarat        | 36         | 69           | 56        | 79        | 63        | 84         |
| Haryana        | 66         | 95           | 0         | 104       | 100       | 88         |
| Jharkhand      | 28         | 33           | 30        | 18        | 36        | 46         |
| Karnataka      | 46         | 64           | 60        | 60        | 69        | 62         |
| Kerala         | 244        | 255          | 264       | 272       | 250       | 255        |
| Madhya Pradesh | 54         | 61           | 56        | 60        | 63        | 66         |
| Maharashtra    | 64         | 93           | 76        | 71        | 99        | 104        |
| Orissa         | 70         | 77           | 65        | 101       | 72        | 83         |
| Punjab         | 60         | 136          | 0         | 138       | 110       | 144        |
| Rajasthan      | 43         | 57           | 37        | 60        | 60        | 57         |
| Tamil Nadu     | 77         | 95           | 8         | 91        | 100       | 94         |
| Uttar Pradesh  | 77         | 100          | 43        | 96        | 95        | 118        |
| West Bengal    | 81         | 114          | 56        | 110       | 123       | 122        |
| All India      | <b>63</b>  | <b>88</b>    | <b>58</b> | <b>88</b> | <b>87</b> | <b>102</b> |
| Urban          |            |              |           |           |           |            |
| Andhra Pradesh | 100        | 114          | 66        | 86        | 108       | 133        |
| Assam          | 132        | 83           | 32        | 116       | 91        | 80         |
| Bihar          | 89         | 63           | 22        | 107       | 50        | 70         |
| Chhattisgarh   | 53         | 72           | 37        | 60        | 73        | 88         |
| Gujarat        | 33         | 78           | 105       | 57        | 70        | 87         |
| Haryana        | 49         | 87           | 396       | 84        | 76        | 90         |
| Jharkhand      | 29         | 50           | 35        | 32        | 50        | 56         |
| Karnataka      | 52         | 57           | 61        | 48        | 58        | 58         |
| Kerala         | 178        | 240          | 79        | 249       | 220       | 278        |
| Madhya Pradesh | 58         | 65           | 66        | 78        | 61        | 65         |
| Maharashtra    | 80         | 118          | 69        | 81        | 85        | 143        |
| Orissa         | 45         | 54           | 49        | 46        | 47        | 67         |
| Punjab         | 50         | 107          | 0         | 92        | 108       | 117        |
| Rajasthan      | 62         | 72           | 74        | 77        | 71        | 72         |
| Tamil Nadu     | 97         | 96           | 3         | 90        | 100       | 80         |
| Uttar Pradesh  | 87         | 108          | 113       | 93        | 94        | 131        |
| West Bengal    | 128        | 157          | 79        | 132       | 101       | 170        |
| All India      | 81         | 99           | 61        | 86        | 91        | 113        |

**Table 2.1.( S ) : Number per 1000 persons reporting ailment during the last 15 days  
by MPCE class and social group for Smaller States/UTs - 60th round**

| States            | MPCE<br>Class | Social<br>Group |     |     |     |        |
|-------------------|---------------|-----------------|-----|-----|-----|--------|
| Rural             | Bottom 30%    | All             | ST  | SC  | OBC | Others |
| Arunachal Pradesh | 67            | 61              | 70  | 220 | 10  | 26     |
| Goa               | 0             | 138             | 625 | 0   | 422 | 123    |
| Himachal Pradesh  | 63            | 87              | 69  | 79  | 110 | 86     |
| Jammu & Kashmir   | 49            | 70              | 47  | 89  | 61  | 66     |
| Manipur           | 8             | 28              | 6   | 0   | 48  | 0      |
| Meghalaya         | 60            | 51              | 54  | 0   | 4   | 41     |
| Mizoram           | 3             | 20              | 21  | 0   | 0   | 0      |
| Nagaland          | 0             | 62              | 60  | 333 | 0   | 0      |
| Sikkim            | 78            | 55              | 66  | 46  | 49  | 51     |
| Tripura           | 122           | 130             | 139 | 145 | 99  | 133    |
| Uttaranchal       | 12            | 52              | 53  | 26  | 58  | 61     |
| A & N Islands     | 0             | 51              | 20  | 0   | 0   | 56     |
| Chandigarh        | 0             | 52              | 200 | 56  | 17  | 61     |
| Dadra & N. Haveli | 0             | 15              | 13  | 0   | 0   | 47     |
| Daman & Diu       | 0             | 19              | 0   | 0   | 62  | 0      |
| Lakshadweep       | 14            | 112             | 108 | 0   | 250 | 390    |
| Pondicherry       | 312           | 149             | 0   | 154 | 144 | 211    |
| ONES              | 89            | 73              | 60  | 141 | 63  | 104    |
| GUTs              | 110           | 73              | 22  | 143 | 117 | 49     |
| Urban             |               |                 |     |     |     |        |
| Arunachal Pradesh | 13            | 51              | 71  | 0   | 131 | 26     |
| Delhi             | 20            | 16              | 0   | 16  | 18  | 16     |
| Goa               | 50            | 95              | 0   | 159 | 100 | 92     |
| Himachal Pradesh  | 74            | 59              | 0   | 28  | 152 | 58     |
| Jammu & Kashmir   | 125           | 78              | 413 | 103 | 113 | 72     |
| Manipur           | 4             | 27              | 28  | 0   | 31  | 11     |
| Meghalaya         | 56            | 50              | 58  | 49  | 61  | 30     |
| Mizoram           | 15            | 17              | 18  | 0   | 0   | 0      |
| Nagaland          | 0             | 52              | 57  | 57  | 0   | 53     |
| Sikkim            | 0             | 13              | 26  | 37  | 5   | 0      |
| Tripura           | 46            | 72              | 10  | 55  | 48  | 102    |
| Uttaranchal       | 97            | 65              | 0   | 50  | 26  | 85     |
| A & N Islands     | 0             | 59              | 0   | 0   | 0   | 59     |
| Chandigarh        | 8             | 71              | 0   | 54  | 49  | 74     |
| Dadra & N. Haveli | 0             | 24              | 2   | 0   | 0   | 34     |
| Daman & Diu       | 0             | 35              | 0   | 125 | 53  | 34     |
| Lakshadweep       | 14            | 140             | 137 | 0   | 230 | 1000   |
| Pondicherry       | 245           | 186             | 115 | 124 | 191 | 214    |
| ONES              | 38            | 42              | 41  | 45  | 32  | 57     |
| GUTs              | 189           | 119             | 106 | 74  | 183 | 82     |



**Table 2.2 : Number of persons reporting ailment during a period of 15 days per 1000 persons in 52nd & 60th rounds by social group – Rural & Urban (1995-96 and 2004)**

| States/Uts     | Social Group |      |      |      |      |      |        |      |      |
|----------------|--------------|------|------|------|------|------|--------|------|------|
|                | All          |      | ST   |      | SC   |      | Others |      | OBC  |
|                | 52nd         | 60th | 52nd | 60th | 52nd | 60th | 52nd   | 60th | 60th |
| <b>Rural</b>   |              |      |      |      |      |      |        |      |      |
| Andhra Pradesh | 64           | 90   | 66   | 70   | 62   | 82   | 65     | 118  | 84   |
| Assam          | 80           | 82   | 64   | 67   | 85   | 75   | 83     | 86   | 87   |
| Bihar          | 36           | 53   | 29   | 53   | 26   | 53   | 39     | 48   | 54   |
| Gujarat        | 46           | 69   | 26   | 56   | 42   | 79   | 53     | 84   | 63   |
| Haryana        | 61           | 95   | -    | 0    | 48   | 104  | 67     | 88   | 100  |
| Karnataka      | 45           | 64   | 29   | 60   | 52   | 60   | 45     | 62   | 69   |
| Kerala         | 118          | 255  | 122  | 264  | 108  | 272  | 119    | 255  | 250  |
| Madhya Pradesh | 41           | 61   | 39   | 56   | 30   | 60   | 46     | 66   | 63   |
| Maharashtra    | 52           | 93   | 40   | 76   | 49   | 71   | 55     | 104  | 99   |
| Orissa         | 62           | 77   | 62   | 65   | 69   | 101  | 61     | 83   | 72   |
| Punjab         | 76           | 136  | 72   | 0    | 71   | 138  | 79     | 144  | 110  |
| Rajasthan      | 28           | 57   | 42   | 37   | 22   | 60   | 26     | 57   | 60   |
| Tamil Nadu     | 52           | 95   | 30   | 8    | 47   | 91   | 55     | 94   | 100  |
| Uttar Pradesh  | 61           | 100  | 83   | 43   | 64   | 96   | 60     | 118  | 95   |
| West Bengal    | 65           | 114  | 32   | 56   | 67   | 110  | 69     | 122  | 123  |
| All India      | 55           | 88   | 42   | 58   | 54   | 88   | 58     | 102  | 87   |
| Chhattisgarh   | NA           | 69   | NA   | 51   | NA   | 97   | NA     | 41   | 80   |
| Jharkhand      | NA           | 33   | NA   | 30   | NA   | 18   | NA     | 46   | 36   |
| <b>Urban</b>   |              |      |      |      |      |      |        |      |      |
| Andhra Pradesh | 61           | 114  | 60   | 66   | 63   | 86   | 60     | 133  | 108  |
| Assam          | 86           | 83   | 126  | 32   | 85   | 116  | 83     | 80   | 91   |
| Bihar          | 41           | 63   | 59   | 22   | 25   | 107  | 44     | 70   | 50   |
| Gujarat        | 36           | 78   | 15   | 105  | 40   | 57   | 35     | 87   | 70   |
| Haryana        | 63           | 87   | 83   | 396  | 90   | 84   | 59     | 90   | 76   |
| Karnataka      | 40           | 57   | 34   | 61   | 40   | 48   | 41     | 58   | 58   |
| Kerala         | 88           | 240  | 112  | 79   | 89   | 249  | 87     | 278  | 220  |
| Madhya Pradesh | 38           | 65   | 23   | 66   | 36   | 78   | 39     | 65   | 61   |
| Maharashtra    | 48           | 118  | 33   | 69   | 49   | 81   | 48     | 143  | 85   |
| Orissa         | 62           | 54   | 73   | 49   | 65   | 46   | 61     | 67   | 47   |
| Punjab         | 85           | 107  | 227  | 0    | 67   | 92   | 89     | 117  | 108  |
| Rajasthan      | 33           | 72   | 40   | 74   | 28   | 77   | 34     | 72   | 71   |
| Tamil Nadu     | 58           | 96   | 70   | 3    | 55   | 90   | 59     | 80   | 100  |
| Uttar Pradesh  | 72           | 108  | 83   | 113  | 64   | 93   | 73     | 131  | 94   |
| West Bengal    | 65           | 157  | 58   | 79   | 66   | 132  | 64     | 170  | 101  |
| All India      | 54           | 99   | 45   | 61   | 53   | 86   | 55     | 113  | 91   |
| Chhattisgarh   | NA           | 72   | NA   | 37   | NA   | 60   | NA     | 88   | 73   |
| Jharkhand      | NA           | 50   | NA   | 35   | NA   | 32   | NA     | 56   | 50   |

**Table 2.2 ( S ) : Number of persons reporting ailment during a period of 15 days per 1000 persons in 52nd & 60th rounds by social group**

| States/Uts           | Social Group |      |      |      |      |      |        |      |      |
|----------------------|--------------|------|------|------|------|------|--------|------|------|
|                      | All          |      | ST   |      | SC   |      | Others |      | OBC  |
|                      | 52nd         | 60th | 52nd | 60th | 52nd | 60th | 52nd   | 60th | 60th |
| <b>Rural Smaller</b> |              |      |      |      |      |      |        |      |      |
| Arunachal Pr.        | 24           | 61   | 26   | 70   | -    | 220  | 11     | 26   | 10   |
| Goa                  | 44           | 138  | -    | 625  | 53   | 0    | 45     | 123  | 422  |
| Himachal Pr.         | 90           | 87   | 47   | 69   | 108  | 79   | 83     | 86   | 110  |
| J & K                | 52           | 70   | 35   | 47   | 62   | 89   | 51     | 66   | 61   |
| Manipur              | 8            | 28   | 3    | 6    | -    | 0    | 13     | 0    | 48   |
| Meghalaya            | 35           | 51   | 33   | 54   | 69   | 0    | 51     | 41   | 4    |
| Mizoram              | 18           | 20   | 19   | 21   | -    | 0    | 9      | 0    | 0    |
| Nagaland             | 31           | 62   | 30   | 60   | -    | 333  | 52     | 0    | 0    |
| Sikkim               | 38           | 55   | 35   | 66   | 25   | 46   | 40     | 51   | 49   |
| Tripura              | 117          | 130  | 89   | 139  | 103  | 145  | 132    | 133  | 99   |
| A. & N. Islands      | 27           | 51   | 41   | 20   | 47   | 0    | 26     | 56   | 0    |
| Chandigarh           | 153          | 52   | -    | 200  | 187  | 56   | 130    | 61   | 17   |
| Dad. & Nag. Hav.     | 57           | 15   | 68   | 13   | 25   | 0    | 79     | 47   | 0    |
| Daman & Diu          | 43           | 19   | 10   | 0    | 32   | 0    | 52     | 0    | 62   |
| Lakshadweep          | 57           | 112  | 63   | 108  | -    | 0    | -      | 390  | 250  |
| Pondicherry          | 91           | 149  | -    | 0    | 56   | 154  | 106    | 211  | 144  |
| Delhi                | 23           | 4    | -    | 0    | 33   | 0    | 19     | 3    | 4    |
| Uttaranchal          |              | 52   |      | 53   |      | 26   |        | 61   | 58   |
| <b>Urban</b>         |              |      |      |      |      |      |        |      |      |
| Arunachal Pr.        | 42           | 51   | 46   | 71   | 37   | 0    | 40     | 26   | 131  |
| Himachal Pr.         | 66           | 59   | -    | 0    | 44   | 28   | 71     | 58   | 152  |
| J & K                | 54           | 78   | 24   | 413  | 72   | 103  | 52     | 72   | 113  |
| Manipur              | 2            | 27   | -    | 28   | -    | 0    | 2      | 11   | 31   |
| Meghalaya            | 34           | 50   | 40   | 58   | 56   | 49   | 21     | 30   | 61   |
| Mizoram              | 12           | 17   | 12   | 18   | -    | 0    | -      | 0    | 0    |
| Nagaland             | 46           | 52   | 31   | 57   | -    | 57   | 72     | 53   | 0    |
| Sikkim               | 22           | 13   | 14   | 26   | 13   | 37   | 25     | 0    | 5    |
| Tripura              | 96           | 72   | 93   | 10   | 85   | 55   | 99     | 102  | 48   |
| A. & N. Islands      | 15           | 59   | -    | 0    | 5    | 0    | 15     | 59   | 0    |
| Chandigarh           | 133          | 71   | 51   | 0    | 146  | 54   | 125    | 74   | 49   |
| Dad. & Nag. Hav.     | 57           | 24   | 18   | 2    | -    | 0    | 82     | 34   | 0    |
| Daman & Diu          | 43           | 35   | 89   | 0    | -    | 125  | 41     | 34   | 53   |
| Delhi                | 43           | 16   | 49   | 0    | 28   | 16   | 46     | 16   | 18   |
| Lakshadweep          | 48           | 140  | 49   | 137  | -    | 0    | -      | 1000 | 230  |
| Pondicherry          | 67           | 186  | -    | 115  | 102  | 124  | 61     | 214  | 191  |
| Goa                  | 34           | 95   | -    | 0    | 13   | 159  | 34     | 92   | 100  |
| Uttaranchal          |              | 65   |      | 0    |      | 50   |        | 85   | 26   |

**Table 2.3: Number per 1000 untreated spells of ailment reporting measures taken for recovery/ relief (other than medical treatment) - 60th round – 2004**

| States         | No. Per 1000 of Spells -Other than Medical treatment |            |
|----------------|------------------------------------------------------|------------|
|                | Rural                                                | Urban      |
| Andhra Pradesh | 445                                                  | 572        |
| Assam          | 830                                                  | 491        |
| Bihar          | 592                                                  | 497        |
| Chhattisgarh   | 367                                                  | 550        |
| Gujarat        | 226                                                  | 250        |
| Haryana        | 438                                                  | 385        |
| Karnataka      | 98                                                   | 36         |
| Kerala         | 514                                                  | 655        |
| Madhya Pradesh | 235                                                  | 347        |
| Maharashtra    | 331                                                  | 531        |
| Orissa         | 600                                                  | 555        |
| Punjab         | 280                                                  | 389        |
| Rajasthan      | 270                                                  | 488        |
| Tamilnadu      | 587                                                  | 543        |
| Uttar Pradesh  | 662                                                  | 536        |
| West Bengal    | 705                                                  | 625        |
| All India      | <b>534</b>                                           | <b>523</b> |

**Table 2.4 : Number per 1000 of spells of ailment during last 15 days untreated due to financial reason or ailment not serious for major states**

| States           |                  |            |            |                     |            |            |
|------------------|------------------|------------|------------|---------------------|------------|------------|
|                  | Financial reason |            |            | Ailment not serious |            |            |
|                  | 42nd             | 52nd       | 60th       | 42nd                | 52nd       | 60th       |
| <b>Rural</b>     |                  |            |            |                     |            |            |
| Andhra Pradesh   | 101              | 262        | 256        | 744                 | 562        | 371        |
| Assam            | 53               | 92         | 183        | 877                 | 580        | 366        |
| Bihar            | 180              | 404        | 223        | 746                 | 368        | 305        |
| Gujarat          | 174              | 28         | 239        | 747                 | 664        | 410        |
| Haryana          | 141              | 129        | 107        | 706                 | 559        | 321        |
| Karnataka        | 146              | 227        | 326        | 676                 | 584        | 280        |
| Kerala           | 147              | 129        | 208        | 810                 | 698        | 512        |
| Madhya Pradesh   | 158              | 210        | 188        | 732                 | 454        | 391        |
| Maharashtra      | 72               | 201        | 358        | 855                 | 637        | 316        |
| Orissa           | 686              | 230        | 224        | 174                 | 383        | 253        |
| Punjab           | 62               | 490        | 308        | 827                 | 77         | 228        |
| Rajasthan        | 695              | 603        | 351        | 147                 | 257        | 229        |
| Tamilnadu        | 151              | 233        | 315        | 716                 | 612        | 508        |
| Uttar Pradesh    | 186              | 234        | 283        | 738                 | 514        | 289        |
| West Bengal      | 121              | 431        | 384        | 783                 | 346        | 183        |
| <b>All India</b> | <b>153</b>       | <b>242</b> | <b>281</b> | <b>746</b>          | <b>511</b> | <b>321</b> |
| <b>Urban</b>     |                  |            |            |                     |            |            |
| Andhra Pradesh   | 80               | 203        | 128        | 845                 | 548        | 638        |
| Assam            | 37               | 205        | 177        | 829                 | 580        | 313        |
| Bihar            | 91               | 249        | 146        | 861                 | 554        | 676        |
| Gujarat          | 133              |            | 83         | 772                 | 524        | 489        |
| Haryana          | 71               | 129        | 0          | 751                 | 228        | 203        |
| Karnataka        | 112              | 116        | 296        | 816                 | 737        | 332        |
| Kerala           | 45               | 124        | 96         | 889                 | 686        | 710        |
| Madhya Pradesh   | 86               | 104        | 185        | 888                 | 524        | 362        |
| Maharashtra      | 31               | 251        | 170        | 804                 | 633        | 613        |
| Orissa           | 121              | 454        | 385        | 855                 | 356        | 323        |
| Punjab           | 21               | 490        | 295        | 932                 | 77         | 299        |
| Rajasthan        | 112              | 603        | 345        | 864                 | 257        | 334        |
| Tamilnadu        | 74               | 143        | 212        | 799                 | 609        | 419        |
| Uttar Pradesh    | 151              | 202        | 252        | 757                 | 586        | 416        |
| West Bengal      | 118              | 197        | 253        | 784                 | 659        | 467        |
| <b>All India</b> | <b>96</b>        | <b>198</b> | <b>204</b> | <b>811</b>          | <b>594</b> | <b>500</b> |

Table 3.1 : No.of persons hospitalised for major states

| State/ ut      | Estimated number of persons hospitalised (00) |       |        | Index (42nd Round = 100) |      |      |
|----------------|-----------------------------------------------|-------|--------|--------------------------|------|------|
| Rural          | 42nd                                          | 52nd  | 60th   | 42nd                     | 52nd | 60th |
| Andhra Pradesh | 16349                                         | 7745  | 13159  | 100                      | 47   | 80   |
| Assam          | 3035                                          | 1675  | 2448   | 100                      | 55   | 81   |
| Bihar          | 9197                                          | 3870  | 6578   | 100                      | 42   | 72   |
| Gujarat        | 4502                                          | 3850  | 10305  | 100                      | 86   | 229  |
| Haryana        | 3349                                          | 3785  | 5756   | 100                      | 113  | 172  |
| Karnataka      | 7141                                          | 4780  | 8050   | 100                      | 67   | 113  |
| Kerala         | 15469                                         | 12718 | 20182  | 100                      | 82   | 130  |
| Madhya Pradesh | 7223                                          | 3781  | 8858   | 100                      | 52   | 123  |
| Maharashtra    | 7830                                          | 9345  | 19397  | 100                      | 119  | 248  |
| Orissa         | 5913                                          | 3288  | 2471   | 100                      | 56   | 42   |
| Punjab         | 6625                                          | 1898  | 5267   | 100                      | 29   | 80   |
| Rajasthan      | 6712                                          | 2410  | 8298   | 100                      | 36   | 124  |
| Tamil Nadu     | 10577                                         | 7037  | 16634  | 100                      | 67   | 157  |
| Uttar Pradesh  | 21546                                         | 10021 | 17916  | 100                      | 47   | 83   |
| West Bengal    | 19212                                         | 5284  | 14511  | 100                      | 28   | 76   |
| All India      | 149264                                        | 85153 | 186570 | 100                      | 57   | 125  |
| Urban          |                                               |       |        |                          |      |      |
| Andhra Pradesh | 2295                                          | 3126  | 6404   | 100                      | 136  | 279  |
| Assam          | 285                                           | 299   | 391    | 100                      | 105  | 137  |
| Bihar          | 768                                           | 1145  | 798    | 100                      | 149  | 104  |
| Gujarat        | 1239                                          | 2720  | 6374   | 100                      | 220  | 514  |
| Haryana        | 739                                           | 1112  | 1693   | 100                      | 150  | 229  |
| Karnataka      | 1956                                          | 2093  | 3706   | 100                      | 107  | 189  |
| Kerala         | 1794                                          | 3809  | 9327   | 100                      | 212  | 520  |
| Madhya Pradesh | 497                                           | 2456  | 4664   | 100                      | 494  | 938  |
| Maharashtra    | 1488                                          | 7920  | 1644   | 100                      | 532  | 110  |
| Orissa         | 431                                           | 635   | 1377   | 100                      | 147  | 320  |
| Punjab         | 1422                                          | 1080  | 2424   | 100                      | 76   | 170  |
| Rajasthan      | 686                                           | 1206  | 3050   | 100                      | 176  | 444  |
| Tamil Nadu     | 2762                                          | 4399  | 8951   | 100                      | 159  | 324  |
| Uttar Pradesh  | 2383                                          | 3172  | 7603   | 100                      | 133  | 319  |
| West Bengal    | 3854                                          | 3754  | 7285   | 100                      | 97   | 189  |
| All India      | 25642                                         | 41243 | 85172  | 100                      | 161  | 332  |

| Table 3.2: Trend in Number (per 1000) of hospitalised treatments received from public provider - Rural & Urban - 52nd and 60th rounds |                                  |      |                                  |      |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------|----------------------------------|------|
| State                                                                                                                                 | Treated in govt. hospital- Rural |      | Treated in govt. hospital- Urban |      |
|                                                                                                                                       | 52nd                             | 60th | 52nd                             | 60th |
| Andhra Pradesh                                                                                                                        | 225                              | 272  | 362                              | 358  |
| Assam                                                                                                                                 | 738                              | 742  | 652                              | 554  |
| Bihar                                                                                                                                 | 247                              | 144  | 346                              | 215  |
| Gujarat                                                                                                                               | 321                              | 313  | 369                              | 261  |
| Haryana                                                                                                                               | 305                              | 206  | 373                              | 290  |
| Karnataka                                                                                                                             | 458                              | 400  | 298                              | 289  |
| Kerala                                                                                                                                | 401                              | 356  | 384                              | 346  |
| Madhya Pradesh                                                                                                                        | 533                              | 585  | 560                              | 485  |
| Maharashtra                                                                                                                           | 312                              | 287  | 318                              | 280  |
| Orissa                                                                                                                                | 906                              | 791  | 810                              | 731  |
| Punjab                                                                                                                                | 394                              | 294  | 276                              | 264  |
| Rajasthan                                                                                                                             | 649                              | 521  | 731                              | 637  |
| Tamil Nadu                                                                                                                            | 411                              | 408  | 357                              | 372  |
| Uttar Pradesh                                                                                                                         | 471                              | 269  | 398                              | 314  |
| West Bengal                                                                                                                           | 820                              | 786  | 721                              | 654  |
| India                                                                                                                                 | 453                              | 417  | 431                              | 382  |

**Table 3.3 (S): Per 1000 distribution of hospitalisation cases by type of hospital and type of ward - 60th Round**

| States               | Public hospital & public dispensary |        | Private hospitals |
|----------------------|-------------------------------------|--------|-------------------|
|                      | Free                                | Paying | All               |
| <b>Rural</b>         |                                     |        |                   |
| Arunachal Pradesh    | 816                                 | 42     | 142               |
| Goa                  | 312                                 | 0      | 688               |
| Himachal Pradesh     | 712                                 | 69     | 219               |
| Jammu & Kashmir      | 817                                 | 97     | 86                |
| Manipur              | 663                                 | 167    | 170               |
| Meghalaya            | 673                                 | 46     | 281               |
| Mizoram              | 908                                 | 19     | 70                |
| Nagaland             | 631                                 | 29     | 340               |
| Sikkim               | 918                                 | 10     | 72                |
| Tripura              | 948                                 | 15     | 35                |
| Uttaranchal          | 108                                 | 323    | 569               |
| A & N. Islands       | 901                                 | 42     | 57                |
| Chandigarh           | 688                                 | 215    | 97                |
| Dadra & Nagar Haveli | 105                                 | 0      | 895               |
| Daman & Diu          | 59                                  | 9      | 932               |
| Lakshadweep          | 549                                 | 0      | 452               |
| Pondicherry          | 888                                 | 0      | 112               |
| <b>Urban</b>         |                                     |        |                   |
| Arunachal Pradesh    | 849                                 | 15     | 105               |
| Delhi                | 332                                 | 42     | 627               |
| Goa                  | 450                                 | 61     | 490               |
| Himachal Pradesh     | 807                                 | 89     | 105               |
| Jammu & Kashmir      | 781                                 | 84     | 135               |
| Manipur              | 501                                 | 337    | 160               |
| Meghalaya            | 307                                 | 37     | 655               |
| Mizoram              | 728                                 | 77     | 194               |
| Nagaland             | 468                                 | 46     | 487               |
| Sikkim               | 678                                 | 37     | 286               |
| Tripura              | 881                                 | 13     | 105               |
| Uttaranchal          | 240                                 | 103    | 658               |
| A & N. Islands       | 843                                 | 25     | 131               |
| Chandigarh           | 398                                 | 421    | 181               |
| Dadra & Nagar Haveli | 173                                 | 36     | 792               |
| Daman & Diu          | 191                                 | 41     | 768               |
| Lakshadweep          | 448                                 | 0      | 553               |
| Pondicherry          | 602                                 | 38     | 359               |

| Table 3.4: Per 1000 distribution of hospitalisation cases by MPEC - All India Rural-60 <sup>th</sup> round - 2004 Rural & Urban |       |         |              |       |         |
|---------------------------------------------------------------------------------------------------------------------------------|-------|---------|--------------|-------|---------|
| MPEC classes                                                                                                                    | Rural |         | MPEC classes | Urban |         |
|                                                                                                                                 | Govt. | Private |              | Govt. | Private |
| 0 – 225                                                                                                                         | 635   | 350     | 0 – 300      | 579   | 421     |
| 225 – 255                                                                                                                       | 562   | 437     | 300 – 350    | 597   | 403     |
| 255 – 300                                                                                                                       | 537   | 461     | 350 – 425    | 564   | 435     |
| 300 – 340                                                                                                                       | 491   | 503     | 425 – 500    | 544   | 455     |
| 340 – 380                                                                                                                       | 485   | 514     | 500 – 575    | 526   | 474     |
| 380 – 420                                                                                                                       | 515   | 485     | 575 – 665    | 386   | 614     |
| 420 – 470                                                                                                                       | 438   | 561     | 665 – 775    | 422   | 578     |
| 470 – 525                                                                                                                       | 443   | 557     | 775 – 915    | 391   | 609     |
| 525 – 615                                                                                                                       | 395   | 602     | 915 – 1120   | 361   | 639     |
| 615 – 775                                                                                                                       | 332   | 668     | 1120 – 1500  | 281   | 719     |
| 775 – 950                                                                                                                       | 339   | 660     | 1500 – 1925  | 203   | 797     |
| 950 +                                                                                                                           | 244   | 756     | 1925 +       | 170   | 830     |
| All                                                                                                                             | 417   | 582     | All          | 382   | 617     |



**Table 3.5: Percentage of treated ailments receiving non-hospitalised treatment from government sources**

| Major state    | Rural               |                     |                     | Urban               |                     |                     |
|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                | 42 <sup>nd</sup> Rd | 52 <sup>nd</sup> Rd | 60 <sup>th</sup> Rd | 42 <sup>nd</sup> Rd | 52 <sup>nd</sup> Rd | 60 <sup>th</sup> Rd |
| Andhra Pradesh | 12                  | 22                  | 21                  | 16                  | 19                  | 20                  |
| Assam          | 40                  | 29                  | 27                  | 26                  | 22                  | 24                  |
| Bihar          | 14                  | 13                  | 5                   | 17                  | 33                  | 11                  |
| Chhattisgarh   | *                   | *                   | 15                  | *                   | *                   | 20                  |
| Gujarat        | 28                  | 25                  | 21                  | 18                  | 22                  | 18                  |
| Haryana        | 15                  | 13                  | 12                  | 19                  | 11                  | 20                  |
| Jharkhand      | *                   | *                   | 13                  | *                   | *                   | 24                  |
| Karnataka      | 32                  | 26                  | 34                  | 30                  | 17                  | 16                  |
| Kerala         | 32                  | 28                  | 37                  | 33                  | 28                  | 22                  |
| Madhya Pradesh | 24                  | 23                  | 23                  | 28                  | 19                  | 23                  |
| Maharashtra    | 21                  | 16                  | 16                  | 15                  | 17                  | 11                  |
| Orissa         | 37                  | 38                  | 51                  | 43                  | 34                  | 54                  |
| Punjab         | 12                  | 7                   | 16                  | 11                  | 6                   | 18                  |
| Rajasthan      | 46                  | 36                  | 44                  | 52                  | 41                  | 53                  |
| Tamil Nadu     | 28                  | 25                  | 29                  | 31                  | 28                  | 22                  |
| Uttar Pradesh  | *                   | 8                   | 10                  | 14                  | 9                   | 13                  |
| West Bengal    | 16                  | 15                  | 19                  | 20                  | 19                  | 20                  |
| India          | 21                  | 19                  | 22                  | 24                  | 20                  | 19                  |

**Table 4.1: Average total expenditure (Rs.) per hospitalisation by type of hospital for rural and urban areas of 15 Major States - 52nd & 60th rounds (1995-96 and 2004)**

| States                | Rural           |              |                 |              | Urban           |              |                 |               |
|-----------------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|---------------|
|                       | Govt. hospitals |              | Other hospitals |              | Govt. hospitals |              | Other hospitals |               |
|                       | 52nd round      | 60th round   | 52nd round      | 60th round   | 52nd round      | 60th round   | 52nd round      | 60th round    |
| <b>Andhra Pradesh</b> | 2070            | 2,176        | 7822            | 6,794        | 1310            | 1,450        | 7080            | 13,036        |
| <b>Assam</b>          | 2092            | 3,157        | 2003            | 8,179        | 2201            | 2,696        | 7102            | 20,048        |
| <b>Bihar</b>          | 3488            | 4,998        | 4069            | 6,949        | 2804            | 30,822       | 4512            | 11,807        |
| <b>Gujarat</b>        | 1465            | 2,253        | 3285            | 6,789        | 1897            | 4,358        | 4185            | 9,448         |
| <b>Haryana</b>        | 2667            | 11,665       | 3496            | 7,147        | 8888            | 20,372       | 5087            | 11,148        |
| <b>Karnataka</b>      | 1791            | 2,610        | 4100            | 7,918        | 1564            | 1,660        | 4502            | 9,837         |
| <b>Kerala</b>         | 1616            | 2,174        | 2805            | 4,565        | 1527            | 2,600        | 2254            | 6,179         |
| <b>Madhya Pradesh</b> | 2207            | 3,238        | 3482            | 6,185        | 1678            | 2,602        | 3889            | 8,661         |
| <b>Maharashtra</b>    | 1529            | 2,243        | 3836            | 7,094        | 1439            | 3,297        | 5345            | 11,618        |
| <b>Orissa</b>         | 1681            | 3,096        | 2583            | 7,713        | 2142            | 4,906        | 11829           | 11,020        |
| <b>Punjab</b>         | 3645            | 9,774        | 6171            | 13,044       | 5436            | 10,323       | 6130            | 19,035        |
| <b>Rajasthan</b>      | 2634            | 5,464        | 3971            | 9,540        | 2544            | 5,590        | 4949            | 10,559        |
| <b>Tamil Nadu</b>     | 751             | 637          | 4333            | 8,360        | 934             | 1,666        | 5827            | 15,680        |
| <b>Uttar Pradesh</b>  | 4237            | 7,648        | 4521            | 9,169        | 5191            | 5,144        | 6515            | 10,351        |
| <b>West Bengal</b>    | 1500            | 2,464        | 4303            | 10,339       | 1348            | 4,312        | 7836            | 16,025        |
| <b>India</b>          | <b>2080</b>     | <b>3,238</b> | <b>4300</b>     | <b>7,408</b> | <b>2195</b>     | <b>3,877</b> | <b>5344</b>     | <b>11,553</b> |

**Table 4.1. 1: Comparison of total expenditure (Rs.) per hospitalisation by type of hospital for rural and urban areas of 15 major states(Standardised by Index) - 52nd exp=100**

| States         | Ratio of Exp. 60th/52nd round |                 |                 |                 |
|----------------|-------------------------------|-----------------|-----------------|-----------------|
|                | Rural                         |                 | Urban           |                 |
|                | Govt. hospitals               | Other hospitals | Govt. hospitals | Other hospitals |
| Andhra Pradesh | 67                            | 55              | 70              | 117             |
| Assam          | 96                            | 258             | 78              | 179             |
| Bihar          | 91                            | 108             | 696             | 166             |
| Gujarat        | 97                            | 131             | 145             | 143             |
| Haryana        | 277                           | 129             | 145             | 139             |
| Karnataka      | 92                            | 122             | 67              | 138             |
| Kerala         | 85                            | 103             | 108             | 174             |
| Madhya Pradesh | 93                            | 112             | 98              | 141             |
| Maharashtra    | 93                            | 117             | 145             | 138             |
| Orissa         | 117                           | 189             | 145             | 59              |
| Punjab         | 170                           | 134             | 120             | 197             |
| Rajasthan      | 131                           | 152             | 139             | 135             |
| Tamil Nadu     | 54                            | 122             | 113             | 170             |
| Uttar Pradesh  | 114                           | 128             | 63              | 101             |
| West Bengal    | 104                           | 152             | 202             | 129             |
| India          | <b>99</b>                     | <b>109</b>      | <b>112</b>      | <b>137</b>      |

**Table 4.2: Average total medical expenditure (Rs) for treatment per hospitalisation case during the stay at hospital (as inpatient) for last 365 days by type of hospital (Govt./Private) by MPEC- 60<sup>th</sup> round (2004)**

| States         | Classification | Rural                           |                  |                |
|----------------|----------------|---------------------------------|------------------|----------------|
|                |                | Expenditure per hospitalisation |                  |                |
|                |                | Govt hospital                   | Private hospital | Total hospital |
| Andhra Pradesh | Bottom 20%     | 767                             | 4816             | 3263           |
|                | Total          | 2176                            | 6794             | 5574           |
| Assam          | Bottom 20%     | 1926                            | 3100             | 1983           |
|                | Total          | 3157                            | 8179             | 4195           |
| Bihar          | Bottom 20%     | 3443                            | 5858             | 5497           |
|                | Total          | 4998                            | 6949             | 6655           |
| Chhattisgarh   | Bottom 20%     | 4174                            | 7088             | 5867           |
|                | Total          | 4038                            | 6086             | 5003           |
| Gujarat        | Bottom 20%     | 1929                            | 2874             | 2267           |
|                | Total          | 2253                            | 6789             | 5408           |
| Haryana        | Middle 20%     | 4264                            | 5046             | 4864           |
|                | Total          | 11665                           | 7147             | 8006           |
| Jharkhand      | Bottom 20%     | 1479                            | 3994             | 2505           |
|                | Total          | 2961                            | 6214             | 4799           |
| Karnataka      | Bottom 20%     | 1123                            | 6419             | 3899           |
|                | Total          | 2610                            | 7918             | 5800           |
| Kerala         | Bottom 20%     | 603                             | 3426             | 1910           |
|                | Total          | 2174                            | 4565             | 3717           |
| Madhya Pradesh | Bottom 20%     | 2602                            | 5819             | 3731           |
|                | Total          | 3238                            | 6185             | 4486           |
| Maharashtra    | Bottom 20%     | 4637                            | 4265             | 3935           |
|                | Total          | 2243                            | 7094             | 5709           |
| Orissa         | Bottom 20%     | 2043                            | 5925             | 2758           |
|                | Total          | 3096                            | 7713             | 4089           |
| Punjab         | Middle 20%     | 7802                            | 14083            | 12779          |
|                | Total          | 9774                            | 13044            | 12132          |
| Rajasthan      | Bottom 20%     | 3453                            | 8208             | 5637           |
|                | Total          | 5464                            | 9540             | 7453           |
| Tamilnadu      | Bottom 20%     | 152                             | 4327             | 1674           |
|                | Total          | 637                             | 8360             | 5238           |
| Uttar Pradesh  | Bottom 20%     | 5877                            | 6814             | 6438           |
|                | Total          | 7648                            | 9169             | 8765           |
| West Bengal    | Bottom 20%     | 2026                            | 6732             | 2315           |
|                | Total          | 2464                            | 10339            | 4149           |
| Total India    | Bottom 20%     | 2469                            | 5351             | 3725           |
|                | Total          | 3238                            | 7408             | 5695           |

| States         | Classification | Urban                           |                  |                |
|----------------|----------------|---------------------------------|------------------|----------------|
|                |                | Expenditure per hospitalisation |                  |                |
|                |                | Govt hospital                   | Private hospital | Total hospital |
| Andhra Pradesh | Bottom 20%     | 1132                            | 3817             | 2259           |
|                | Total          | 1450                            | 13036            | 9197           |
| Assam          | Middle 20%     | 2606                            | 25766            | 8680           |
|                | Total          | 2696                            | 20048            | 10467          |
| Bihar          | Bottom 20%     | 5884                            | 4264             | 4421           |
|                | Total          | 30822                           | 11807            | 14674          |
| Chhattisgarh   | Bottom 20%     | 1797                            | 4185             | 2268           |
|                | Total          | 4244                            | 4359             | 4317           |
| Gujarat        | Bottom 20%     | 2187                            | 4283             | 3472           |
|                | Total          | 4358                            | 9448             | 8303           |
| Haryana        | Bottom 20%     | 7158                            | 5771             | 6198           |
|                | Total          | 20372                           | 11148            | 13626          |
| Jharkhand      | Bottom 20%     | 2070                            | 3758             | 2307           |
|                | Total          | 3716                            | 8434             | 7375           |
| Karnataka      | Bottom 20%     | 1142                            | 2725             | 1908           |
|                | Total          | 1660                            | 9837             | 7552           |
| Kerala         | Bottom 20%     | 3957                            | 5772             | 5176           |
|                | Total          | 2600                            | 6179             | 4954           |
| Madhya Pradesh | Bottom 20%     | 1637                            | 4633             | 2999           |
|                | Total          | 2602                            | 8661             | 5772           |
| Maharashtra    | Bottom 20%     | 1308                            | 7798             | 4868           |
|                | Total          | 3297                            | 11618            | 9776           |
| Orissa         | Bottom 20%     | 3800                            | 5095             | 4645           |
|                | Total          | 4906                            | 11020            | 6660           |
| Punjab         | Middle 60%     | 8736                            | 13906            | 13011          |
|                | Total          | 10323                           | 19035            | 16728          |
| Rajasthan      | Bottom 20%     | 5907                            | 4953             | 5386           |
|                | Total          | 5590                            | 10559            | 7483           |
| Tamilnadu      | Bottom 20%     | 206                             | 4387             | 1581           |
|                | Total          | 1666                            | 15680            | 10747          |
| Uttar Pradesh  | Bottom 20%     | 2674                            | 6828             | 4935           |
|                | Total          | 5144                            | 10351            | 8907           |
| West Bengal    | Bottom 20%     | 2050                            | 6158             | 2347           |
|                | Total          | 4312                            | 16025            | 8715           |
| Total India    | Bottom 20%     | 2144                            | 5659             | 3651           |
|                | Total          | 3877                            | 11553            | 8851           |

**Table 4.2 (S) : Average total medical expenditure (Rs) for treatment per hospitalisation case during the stay at hospital (as inpatient) for last 365 days by type of hospital Smaller State (Govt./Private) 60<sup>th</sup> round**

| States               | Expenditure per hospitalisation |                  |              |
|----------------------|---------------------------------|------------------|--------------|
|                      | Govt hospital                   | Private hospital | All hospital |
| <b>Rural</b>         |                                 |                  |              |
| Arunachal Pradesh    | 3686                            | 3951             | 3716         |
| Goa                  | 1401                            | 6484             | 4825         |
| Himachal Pradesh     | 6035                            | 14652            | 7984         |
| Jammu & Kashmir      | 4463                            | 10145            | 4967         |
| Manipur              | 4090                            | 12568            | 5550         |
| Meghalaya            | 1545                            | 5080             | 2493         |
| Mizoram              | 954                             | 2687             | 1073         |
| Nagaland             | 3124                            | 6375             | 4232         |
| Sikkim               | 2634                            | 11217            | 3273         |
| Tripura              | 1300                            | 18219            | 1925         |
| Uttaranchal          | 5166                            | 12544            | 9486         |
| A&N Islands          | 225                             | 3284             | 401          |
| Chandigarh           | 12677                           | 112343           | 23008        |
| Dadra & Nagar Haveli | 1390                            | 2094             | 2031         |
| Daman & Diu          | 1978                            | 3360             | 3263         |
| Lakshadweep          | 1                               | 18591            | 8393         |
| Pondicherry          | 64                              | 4338             | 544          |
| <b>Urban</b>         |                                 |                  |              |
| Arunachal Pradesh    | 3868                            | 6836             | 4237         |
| Delhi                | 3847                            | 14065            | 10568        |
| Goa                  | 2212                            | 6861             | 4551         |
| Himachal Pradesh     | 5590                            | 23447            | 7649         |
| Jammu & Kashmir      | 4383                            | 17822            | 6122         |
| Manipur              | 4932                            | 11593            | 5786         |
| Meghalaya            | 2867                            | 9123             | 6824         |
| Mizoram              | 2500                            | 15673            | 5201         |
| Nagaland             | 3692                            | 8349             | 5890         |
| Sikkim               | 2619                            | 16738            | 6470         |
| Tripura              | 2468                            | 179602           | 20929        |
| Uttaranchal          | 4083                            | 19861            | 14925        |
| A&N Islands          | 1488                            | 13943            | 3046         |
| Chandigarh           | 10007                           | 48031            | 17054        |
| Dadra & Nagar Haveli | 1104                            | 8130             | 6923         |
| Daman & Diu          | 3395                            | 7274             | 6417         |
| Lakshadweep          | 3                               | 13954            | 7797         |
| Pondicherry          | 232                             | 22999            | 8469         |

**Table 4.3 : Average expenditure (Rs) per hospitalisation case on account of hospitalisation by MPEC – 60<sup>th</sup> round (2004)**

| <b>States<br/>Rural</b> | <b>Classification</b> | <b>Total expenditure for<br/>hospitalisation</b> | <b>Loss of household income</b> |
|-------------------------|-----------------------|--------------------------------------------------|---------------------------------|
| <b>Andhra Pradesh</b>   | Bottom 20%            | 3,518                                            | 374                             |
|                         | Total                 | 6,237                                            | 805                             |
| <b>Assam</b>            | Bottom 20%            | 2,360                                            | 914                             |
|                         | Total                 | 4,697                                            | 1,025                           |
| <b>Bihar</b>            | Bottom 20%            | 5,971                                            | 675                             |
|                         | Total                 | 7,413                                            | 1,008                           |
| <b>Chhattisgarh</b>     | Bottom 20%            | 6,289                                            | 808                             |
|                         | Total                 | 5,433                                            | 711                             |
| <b>Gujarat</b>          | Bottom 20%            | 2,560                                            | 250                             |
|                         | Total                 | 5,857                                            | 442                             |
| <b>Haryana</b>          | Middle 20%            | 5,419                                            | 619                             |
|                         | Total                 | 8,548                                            | 654                             |
| <b>Jharkhand</b>        | Bottom 20%            | 2,785                                            | 991                             |
|                         | Total                 | 5,338                                            | 1,357                           |
| <b>Karnataka</b>        | Bottom 20%            | 4,270                                            | 453                             |
|                         | Total                 | 6,271                                            | 530                             |
| <b>Kerala</b>           | Bottom 20%            | 2,017                                            | 421                             |
|                         | Total                 | 4,059                                            | 431                             |
| <b>Madhya Pradesh</b>   | Bottom 20%            | 4,199                                            | 708                             |
|                         | Total                 | 5,008                                            | 836                             |
| <b>Maharashtra</b>      | Bottom 20%            | 4,281                                            | 421                             |
|                         | Total                 | 6,160                                            | 535                             |
| <b>Orissa</b>           | Bottom 20%            | 3,148                                            | 450                             |
|                         | Total                 | 4,625                                            | 582                             |
| <b>Punjab</b>           | Middle 20%            | 14,462                                           | 1,133                           |
|                         | Total                 | 12,755                                           | 589                             |
| <b>Rajasthan</b>        | Bottom 20%            | 6,247                                            | 781                             |
|                         | Total                 | 8,294                                            | 846                             |
| <b>Tamilnadu</b>        | Bottom 20%            | 1,971                                            | 213                             |
|                         | Total                 | 5,775                                            | 369                             |
| <b>Uttar Pradesh</b>    | Bottom 20%            | 7,179                                            | 664                             |
|                         | Total                 | 9,417                                            | 920                             |
| <b>West Bengal</b>      | Bottom 20%            | 2,572                                            | 272                             |
|                         | Total                 | 4,582                                            | 386                             |
| <b>ALL India</b>        | Bottom 20%            | <b>4,117</b>                                     | <b>498</b>                      |
|                         | Total                 | <b>6,225</b>                                     | <b>636</b>                      |

| States<br>Urban | Classification | Total expenditure for<br>hospitalisation | Loss of household income |
|-----------------|----------------|------------------------------------------|--------------------------|
| Andhra Pradesh  | Bottom 20%     | 2,415                                    | 433                      |
|                 | Total          | 10,085                                   | 1,650                    |
| Assam           | Middle 20%     | 9,528                                    | 1,773                    |
|                 | Total          | 11,459                                   | 1,714                    |
| Bihar           | Bottom 20%     | 4,850                                    | 880                      |
|                 | Total          | 15,708                                   | 1,566                    |
| Chhattisgarh    | Bottom 20%     | 2,395                                    | 174                      |
|                 | Total          | 4,655                                    | 227                      |
| Gujarat         | Bottom 20%     | 3,726                                    | 325                      |
|                 | Total          | 8,788                                    | 649                      |
| Haryana         | Middle 20%     | 6,435                                    | 581                      |
|                 | Total          | 14,244                                   | 828                      |
| Jharkhand       | Bottom 20%     | 2,510                                    | 1,156                    |
|                 | Total          | 7,977                                    | 3,971                    |
| Karnataka       | Bottom 20%     | 2,060                                    | 342                      |
|                 | Total          | 7,990                                    | 790                      |
| Kerala          | Bottom 20%     | 5,472                                    | 1,676                    |
|                 | Total          | 5,201                                    | 578                      |
| Madhya Pradesh  | Bottom 20%     | 3,302                                    | 341                      |
|                 | Total          | 6,775                                    | 968                      |
| Maharashtra     | Bottom 20%     | 5,109                                    | 305                      |
|                 | Total          | 10,114                                   | 668                      |
| Orissa          | Bottom 20%     | 5,532                                    | 754                      |
|                 | Total          | 7,294                                    | 713                      |
| Punjab          | Middle 20%     | 13,341                                   | 831                      |
|                 | Total          | 17,535                                   | 728                      |
| Rajasthan       | Bottom 20%     | 6,131                                    | 366                      |
|                 | Total          | 8,012                                    | 692                      |
| Tamilnadu       | Bottom 20%     | 1,785                                    | 267                      |
|                 | Total          | 11,306                                   | 367                      |
| Uttar Pradesh   | Bottom 20%     | 5,182                                    | 595                      |
|                 | Total          | 9,250                                    | 536                      |
| West Bengal     | Bottom 20%     | 2,818                                    | 685                      |
|                 | Total          | 9,224                                    | 529                      |
| All India       | Bottom 20%     | <b>3,906</b>                             | <b>660</b>               |
|                 | Total          | <b>9,367</b>                             | <b>745</b>               |



**Table 4.3. ( S ): Average expenditure (Rs) per hospitalisation case & Loss of household income - Smaller states**

| States               | Total expenses for hospitals<br>Loss of household income |        | Loss of household income |       |
|----------------------|----------------------------------------------------------|--------|--------------------------|-------|
|                      | Rural                                                    | Urban  | Rural                    | Urban |
| Arunachal Pradesh    | 4,258                                                    | 4,640  | 1,773                    | 3,932 |
| Goa                  | 5,520                                                    | 8,300  | 1,555                    | 1,607 |
| Himachal Pradesh     | 8,867                                                    | 6,931  | 1,893                    | 1,574 |
| Jammu & Kashmir      | 5,666                                                    | 6,364  | 1,377                    | 1,703 |
| Manipur              | 6,452                                                    | 7,755  | 1,177                    | 360   |
| Meghalaya            | 3,118                                                    | 6,105  | 595                      | 1,136 |
| Mizoram              | 1,410                                                    | 6,826  | 178                      | 3,329 |
| Nagaland             | 4,883                                                    | 23,059 | 3,545                    | 365   |
| Tripura              | 2,368                                                    | 15,438 | 387                      | 450   |
| Uttaranchal          | 10,731                                                   | 7,333  | 1,224                    | 779   |
| A & N Islands        | 1,053                                                    | 5,714  | 441                      | 1,290 |
| Chandigarh           | 23,915                                                   | 17,462 | 179                      | 215   |
| Dadra & Nagar Haveli | 2,308                                                    | 7,539  | 108                      | 395   |
| Daman & Diu          | 3,253                                                    | 7,070  | 586                      | 774   |
| Lakshadweep          | 11,422                                                   | 10,559 | 492                      | 494   |
| Pondicherry          | 756                                                      | 9,153  | 144                      | 321   |
| Sikkim               | 4,098                                                    | 10,906 | 885                      | 504   |
|                      |                                                          | 4,911  |                          | 2,270 |

**Table 4.4. : Average total expenditure on account of hospitalisation per household and per 1000 distribution of total household expenditure on account of hospitalisation by source of finance**

| State             | Hospitalisation expenses by source of finance         |                        |                                  |                                |             |
|-------------------|-------------------------------------------------------|------------------------|----------------------------------|--------------------------------|-------------|
|                   | Average expenditure per household for hospitalisation | H hold income/ savings | Contribution Friends & relatives | Borrowings/ Sale of assets etc | Total       |
| <b>Rural</b>      |                                                       |                        |                                  |                                |             |
| Arunachal Pradesh | 6237                                                  | 305                    | 66                               | 629                            | 1000        |
| Assam             | 4696                                                  | 575                    | 77                               | 349                            | 1000        |
| Bihar             | 7413                                                  | 477                    | 112                              | 411                            | 1000        |
| Chhattisgarh      | 5433                                                  | 303                    | 260                              | 437                            | 1000        |
| Gujarat           | 5857                                                  | 397                    | 191                              | 411                            | 1000        |
| Haryana           | 8548                                                  | 439                    | 64                               | 497                            | 1000        |
| Jharkhand         | 5338                                                  | 541                    | 109                              | 351                            | 1000        |
| Karnataka         | 6271                                                  | 394                    | 81                               | 526                            | 1000        |
| Kerala            | 4059                                                  | 428                    | 145                              | 427                            | 1000        |
| Madhya Pradesh    | 5008                                                  | 451                    | 116                              | 433                            | 1000        |
| Maharashtra       | 6160                                                  | 350                    | 151                              | 499                            | 1000        |
| Orissa            | 4625                                                  | 404                    | 87                               | 508                            | 1000        |
| Punjab            | 12755                                                 | 411                    | 201                              | 389                            | 1000        |
| Rajasthan         | 8294                                                  | 360                    | 51                               | 589                            | 1000        |
| Tamilnadu         | 5775                                                  | 365                    | 84                               | 551                            | 1000        |
| Uttar Pradesh     | 9417                                                  | 440                    | 152                              | 408                            | 1000        |
| West Bengal       | 4582                                                  | 419                    | 161                              | 420                            | 1000        |
| <b>All</b>        | <b>6225</b>                                           | <b>409</b>             | <b>126</b>                       | <b>466</b>                     | <b>1000</b> |
| <b>Urban</b>      |                                                       |                        |                                  |                                |             |
| Arunachal Pradesh | 10085                                                 | 394                    | 60                               | 546                            | 1000        |
| Assam             | 11459                                                 | 747                    | 65                               | 186                            | 1000        |
| Bihar             | 15708                                                 | 640                    | 77                               | 282                            | 1000        |
| Chhattisgarh      | 4655                                                  | 538                    | 169                              | 294                            | 1000        |
| Gujarat           | 8788                                                  | 644                    | 169                              | 186                            | 1000        |
| Haryana           | 14244                                                 | 614                    | 206                              | 180                            | 1000        |
| Jharkhand         | 7977                                                  | 645                    | 108                              | 247                            | 1000        |
| Karnataka         | 7990                                                  | 510                    | 122                              | 368                            | 1000        |
| Kerala            | 5201                                                  | 467                    | 95                               | 438                            | 1000        |
| Madhya Pradesh    | 6775                                                  | 661                    | 112                              | 227                            | 1000        |
| Maharashtra       | 10114                                                 | 630                    | 129                              | 241                            | 1000        |
| Orissa            | 7294                                                  | 599                    | 92                               | 309                            | 1000        |
| Punjab            | 17535                                                 | 683                    | 129                              | 188                            | 1000        |
| Rajasthan         | 8012                                                  | 694                    | 81                               | 224                            | 1000        |
| Tamilnadu         | 11306                                                 | 412                    | 87                               | 501                            | 1000        |
| Uttar Pradesh     | 9250                                                  | 599                    | 184                              | 217                            | 1000        |
| West Bengal       | 9224                                                  | 615                    | 100                              | 284                            | 1000        |
| <b>All</b>        | <b>9367</b>                                           | <b>578</b>             | <b>117</b>                       | <b>305</b>                     | <b>1000</b> |

**Table 4.4. (S): Distribution of expenses of Hosp. by source of finance**

| Major state                          |                                                       |       |                        |       |                                  |       |                                |       |       |
|--------------------------------------|-------------------------------------------------------|-------|------------------------|-------|----------------------------------|-------|--------------------------------|-------|-------|
| States                               | Average expenditure per household for hospitalisation |       | H hold income/ savings |       | Contribution Friends & relatives |       | Borrowings/ Sale of assets etc |       |       |
|                                      | Rural                                                 | Urban | Rural                  | Urban | Rural                            | Urban | Rural                          | Urban | Total |
| <b>Arunachal Pradesh</b>             | 4258                                                  | 4640  | 692                    | 872   | 30                               | 48    | 278                            | 80    | 1000  |
| <b>Delhi</b>                         | 15515                                                 | 10906 | 739                    | 766   | 177                              | 64    | 84                             | 170   | 1000  |
| <b>Goa</b>                           | 5520                                                  | 4911  | 821                    | 644   | 79                               | 109   | 100                            | 247   | 1000  |
| <b>Himachal Pradesh</b>              | 8867                                                  | 8300  | 476                    | 867   | 186                              | 30    | 338                            | 103   | 1000  |
| <b>Jammu &amp; Kashmir</b>           | 5666                                                  | 6931  | 656                    | 831   | 56                               | 78    | 288                            | 90    | 1000  |
| <b>Manipur</b>                       | 6452                                                  | 6364  | 578                    | 677   | 91                               | 96    | 331                            | 228   | 1000  |
| <b>Meghalaya</b>                     | 3118                                                  | 7755  | 816                    | 778   | 44                               | 75    | 140                            | 148   | 1000  |
| <b>Mizoram</b>                       | 1410                                                  | 6105  | 946                    | 857   | 22                               | 114   | 32                             | 29    | 1000  |
| <b>Nagaland</b>                      | 4883                                                  | 6826  | 741                    | 690   | 155                              | 154   | 104                            | 156   | 1000  |
| <b>Sikkim</b>                        | 4098                                                  | 7333  | 556                    | 931   | 103                              | 62    | 341                            | 8     | 1000  |
| <b>Tripura</b>                       | 2368                                                  | 23059 | 439                    | 892   | 182                              | 36    | 378                            | 71    | 1000  |
| <b>Uttaranchal</b>                   | 10731                                                 | 15438 | 668                    | 891   | 102                              | 56    | 230                            | 52    | 1000  |
| <b>Andaman &amp; Nicobar Islands</b> | 1053                                                  | 5714  | 577                    | 656   | 140                              | 127   | 284                            | 217   | 1000  |
| <b>Chandigarh</b>                    | 23915                                                 | 17462 | 704                    | 807   | 107                              | 137   | 189                            | 56    | 1000  |
| <b>Dadra &amp; Nagar Haveli</b>      | 2308                                                  | 7539  | 474                    | 575   | 65                               | 303   | 461                            | 122   | 1000  |
| <b>Daman &amp; Diu</b>               | 3637                                                  | 7070  | 544                    | 943   | 186                              | 10    | 270                            | 48    | 1000  |
| <b>Lakshadweep</b>                   | 11422                                                 | 10559 | 439                    | 513   | 245                              | 81    | 316                            | 406   | 1000  |
| <b>Pondicherry</b>                   | 756                                                   | 9153  | 658                    | 639   | 15                               | 159   | 327                            | 203   | 1000  |

**Table 4.5 (PUB) : Average medical expenditure (Rs.) for treatment under different heads of treatment during stay at Public hospitals as inpatient during last 365 days per hospitalisation case receiving medical treatment -60th round - Rural & Urban**

| States         | Doctor's fee | Diag. test | Other services, bed | Medicine | Blood etc | Food | Total |
|----------------|--------------|------------|---------------------|----------|-----------|------|-------|
| <b>Rural</b>   |              |            |                     |          |           |      |       |
| Andhra Pradesh | 76           | 72         | 23                  | 702      | 30        | 104  | 1008  |
| Assam          | 233          | 280        | 119                 | 1363     | 256       | 142  | 2393  |
| Bihar          | 86           | 871        | 71                  | 1578     | 130       | 342  | 3078  |
| Chhattisgarh   | 237          | 43         | 0                   | 338      | 0         | 9    | 627   |
| Gujarat        | 11           | 179        | 12                  | 1113     | 182       | 186  | 1683  |
| Haryana        | 114          | 327        | 136                 | 3268     | 14        | 123  | 3981  |
| Jharkhand      | 60           | 110        | 60                  | 974      | 2         | 214  | 1419  |
| Karnataka      | 116          | 110        | 20                  | 566      | 6         | 91   | 908   |
| Kerala         | 36           | 182        | 41                  | 497      | 15        | 111  | 883   |
| Madhya Pradesh | 34           | 54         | 22                  | 933      | 25        | 125  | 1194  |
| Maharashtra    | 38           | 23         | 30                  | 457      | 73        | 146  | 768   |
| Orissa         | 107          | 151        | 47                  | 1496     | 40        | 220  | 2060  |
| Punjab         | 176          | 37         | 223                 | 1624     | 45        | 344  | 2449  |
| Rajasthan      | 77           | 697        | 59                  | 3187     | 109       | 253  | 4381  |
| Tamilnadu      | 15           | 20         | 27                  | 102      | 1         | 90   | 255   |
| Uttar Pradesh  | 411          | 439        | 341                 | 1730     | 117       | 166  | 3204  |
| West Bengal    | 21           | 180        | 131                 | 1098     | 91        | 87   | 1610  |
| ALL            | 61           | 175        | 64                  | 976      | 55        | 137  | 1467  |
| <b>Urban</b>   |              |            |                     |          |           |      |       |
| Andhra Pradesh | 90           | 77         | 50                  | 496      | 36        | 47   | 797   |
| Assam          | 76           | 604        | 9                   | 1451     | 5         | 262  | 2407  |
| Bihar          | 0            | 148        | 0                   | 756      | 0         | 24   | 927   |
| Chhattisgarh   | 0            | 5          | 0                   | 147      | 9         | 35   | 197   |
| Gujarat        | 100          | 81         | 49                  | 692      | 76        | 69   | 1068  |
| Haryana        | 11           | 115        | 203                 | 636      | 4         | 42   | 1010  |
| Jharkhand      | 57           | 276        | 91                  | 1174     | 4         | 68   | 1670  |
| Karnataka      | 4            | 89         | 30                  | 342      | 61        | 45   | 571   |
| Kerala         | 37           | 132        | 38                  | 495      | 50        | 153  | 906   |
| Madhya Pradesh | 23           | 100        | 29                  | 920      | 5         | 109  | 1187  |
| Maharashtra    | 17           | 42         | 23                  | 309      | 74        | 30   | 494   |
| Orissa         | 25           | 349        | 31                  | 2514     | 36        | 308  | 3263  |
| Punjab         | 1041         | 445        | 397                 | 3882     | 90        | 196  | 6051  |
| Rajasthan      | 96           | 612        | 214                 | 2493     | 336       | 250  | 4003  |
| Tamilnadu      | 7            | 25         | 10                  | 138      | 16        | 60   | 255   |
| Uttar Pradesh  | 280          | 396        | 155                 | 1524     | 75        | 137  | 2566  |
| West Bengal    | 43           | 457        | 147                 | 1103     | 50        | 82   | 1881  |
| ALL            | 66           | 215        | 83                  | 886      | 65        | 107  | 1422  |

**Table 4.5 (S): Average medical expenditure (Rs.) for treatment under different heads of treatment during stay at Public hospitals as inpatient during last 365 days per hospitalisation case receiving medical treatment - Rural & Urban**

| States               | Doctor's fee | Diag. test | Other services, bed | Medicine | Blood etc | Food | Total |
|----------------------|--------------|------------|---------------------|----------|-----------|------|-------|
| <b>Rural</b>         |              |            |                     |          |           |      |       |
| Arunachal Pradesh    | 0            | 158        | 68                  | 805      | 36        | 228  | 1296  |
| Delhi                | 133          | 233        | 0                   | 300      | 0         | 0    | 667   |
| Goa                  | 0            | 19         | 0                   | 938      | 0         | 111  | 1069  |
| Himachal Pradesh     | 8            | 277        | 37                  | 2166     | 95        | 97   | 2681  |
| Jammu & Kashmir      | 36           | 263        | 40                  | 1579     | 61        | 144  | 2124  |
| Manipur              | 137          | 402        | 6                   | 1756     | 18        | 301  | 2620  |
| Meghalaya            | 0            | 19         | 0                   | 102      | 0         | 143  | 264   |
| Mizoram              | 0            | 30         | 0                   | 509      | 26        | 35   | 601   |
| Nagaland             | 10           | 173        | 0                   | 2832     | 0         | 13   | 3028  |
| Sikkim               | 2            | 293        | 2                   | 1547     | 76        | 262  | 2180  |
| Tripura              | 17           | 135        | 61                  | 927      | 32        | 148  | 1319  |
| Uttaranchal          | 637          | 282        | 303                 | 1821     | 25        | 499  | 3566  |
| A&N Islands          | 0            | 0          | 2                   | 42       | 122       | 47   | 213   |
| Chandigarh           | 0            | 2378       | 11                  | 3332     | 1262      | 97   | 7080  |
| Dadra & Nagar Haveli | 0            | 10         | 0                   | 159      | 0         | 20   | 189   |
| Daman & Diu          | 0            | 0          | 0                   | 0        | 0         | 0    | 0     |
| Lakshadweep          | 0            | 0          | 0                   | 0        | 0         | 0    | 0     |
| Pondicherry          | 0            | 10         | 8                   | 37       | 0         | 25   | 79    |
| <b>Urban</b>         |              |            |                     |          |           |      |       |
| Arunachal Pradesh    | 0            | 400        | 53                  | 1286     | 37        | 94   | 1870  |
| Delhi                | 373          | 528        | 539                 | 1242     | 6         | 111  | 2800  |
| Goa                  | 0            | 42         | 0                   | 1818     | 76        | 88   | 2023  |
| Himachal Pradesh     | 15           | 867        | 8                   | 2560     | 4         | 18   | 3473  |
| Jammu & Kashmir      | 8            | 178        | 107                 | 1151     | 56        | 446  | 1944  |
| Manipur              | 469          | 337        | 295                 | 3139     | 84        | 280  | 4604  |
| Meghalaya            | 52           | 142        | 82                  | 324      | 0         | 0    | 600   |
| Mizoram              | 13           | 251        | 338                 | 1009     | 65        | 109  | 1785  |
| Nagaland             | 0            | 67         | 0                   | 2703     | 0         | 244  | 3015  |
| Sikkim               | 0            | 437        | 445                 | 1052     | 229       | 195  | 2358  |
| Tripura              | 70           | 186        | 84                  | 1853     | 80        | 247  | 2520  |
| Uttaranchal          | 450          | 152        | 70                  | 1547     | 10        | 92   | 2319  |
| A&N Islands          | 0            | 0          | 7                   | 317      | 37        | 54   | 416   |
| Chandigarh           | 54           | 720        | 254                 | 2126     | 487       | 20   | 3662  |
| Dadra & Nagar Haveli | 0            | 0          | 0                   | 276      | 58        | 0    | 334   |
| Daman & Diu          | 980          | 0          | 28                  | 1864     | 0         | 172  | 3044  |
| Lakshadweep          | 0            | 3          | 0                   | 0        | 0         | 0    | 3     |
| Pondicherry          | 0            | 73         | 13                  | 71       | 0         | 24   | 182   |

**Table 4.5 (PVT): Average medical expenditure (Rs.) for treatment under different heads of treatment during stay at hospitals as inpatient during last 365 days per hospitalisation case receiving medical treatment in private hospital—60<sup>th</sup> round - Rural & Urban**

| States         | Doctor's fee | Diag. test | Other services, bed | Medicine | Blood etc | Food | Total |
|----------------|--------------|------------|---------------------|----------|-----------|------|-------|
| <b>Rural</b>   |              |            |                     |          |           |      |       |
| Andhra Pradesh | 1331         | 499        | 649                 | 1659     | 97        | 237  | 4470  |
| Assam          | 1436         | 1028       | 953                 | 1866     | 193       | 242  | 5716  |
| Bihar          | 1176         | 644        | 729                 | 2532     | 47        | 355  | 5486  |
| Chhattisgarh   | 183          | 190        | 122                 | 406      | 14        | 117  | 1032  |
| Gujarat        | 2206         | 296        | 663                 | 1961     | 176       | 147  | 5448  |
| Haryana        | 1446         | 477        | 1434                | 3206     | 139       | 386  | 7089  |
| Jharkhand      | 529          | 134        | 329                 | 1004     | 15        | 107  | 2118  |
| Karnataka      | 2301         | 520        | 1860                | 2838     | 76        | 372  | 7968  |
| Kerala         | 494          | 406        | 731                 | 1102     | 220       | 213  | 3165  |
| Madhya Pradesh | 793          | 302        | 467                 | 1602     | 19        | 168  | 3352  |
| Maharashtra    | 1800         | 516        | 718                 | 2430     | 331       | 177  | 5972  |
| Orissa         | 1696         | 258        | 1105                | 2341     | 117       | 692  | 6210  |
| Punjab         | 898          | 781        | 663                 | 1866     | 60        | 60   | 4329  |
| Rajasthan      | 1664         | 857        | 1325                | 4026     | 248       | 536  | 8657  |
| Tamilnadu      | 753          | 211        | 569                 | 1106     | 10        | 122  | 2772  |
| Uttar Pradesh  | 954          | 326        | 822                 | 2063     | 58        | 168  | 4391  |
| West Bengal    | 1931         | 724        | 1183                | 1991     | 163       | 210  | 6203  |
| All India      | 1238         | 449        | 794                 | 1937     | 137       | 235  | 4791  |
| <b>Urban</b>   |              |            |                     |          |           |      |       |
| Andhra Pradesh | 1469         | 532        | 634                 | 1658     | 113       | 165  | 4571  |
| Assam          | 1725         | 1853       | 725                 | 1884     | 0         | 96   | 6283  |
| Bihar          | 994          | 608        | 790                 | 2180     | 153       | 335  | 5060  |
| Chhattisgarh   | 528          | 111        | 237                 | 1268     | 69        | 0    | 2213  |
| Gujarat        | 2243         | 517        | 852                 | 2189     | 89        | 87   | 5977  |
| Haryana        | 1798         | 563        | 926                 | 1400     | 152       | 177  | 5016  |
| Jharkhand      | 1799         | 127        | 412                 | 1664     | 108       | 89   | 4199  |
| Karnataka      | 1788         | 491        | 934                 | 1310     | 59        | 135  | 4717  |
| Kerala         | 580          | 506        | 681                 | 1495     | 38        | 125  | 3425  |
| Madhya Pradesh | 1510         | 426        | 628                 | 1631     | 45        | 147  | 4387  |
| Maharashtra    | 1281         | 623        | 909                 | 1942     | 493       | 60   | 5308  |
| Orissa         | 1834         | 474        | 971                 | 1855     | 508       | 530  | 6172  |
| Punjab         | 888          | 300        | 718                 | 2086     | 50        | 151  | 4193  |
| Rajasthan      | 1223         | 540        | 821                 | 2413     | 267       | 154  | 5418  |
| Tamilnadu      | 2009         | 843        | 1353                | 2432     | 450       | 335  | 7422  |
| Uttar Pradesh  | 894          | 171        | 472                 | 1542     | 16        | 184  | 3279  |
| West Bengal    | 2280         | 1779       | 2264                | 6192     | 560       | 443  | 13518 |
| All India      | 1567         | 622        | 950                 | 2167     | 254       | 177  | 5737  |

**Table 4.6 : Comparative Average total expenditure per hospitalised case during last 365 days by type of hospital**

| States         | Government hospital |             |             | Private hospital |             |              |
|----------------|---------------------|-------------|-------------|------------------|-------------|--------------|
|                | 42nd                | 52nd        | 60th        | 42nd             | 52nd        | 60th         |
| Andhra Pradesh | 1194                | 3291        | 2176        | 1719             | 10221       | 6794         |
| Assam          | 1145                | 3326        | 3157        | 1421             | 3093        | 8179         |
| Bihar          | 1362                | 5546        | 4998        | 2408             | 6137        | 6949         |
| Chhattisgarh   |                     |             | 4038        |                  |             | 6086         |
| Gujarat        | 1201                | 2329        | 2253        | 2534             | 4234        | 6789         |
| Haryana        | 1981                | 4241        | 11665       | 3773             | 5126        | 7147         |
| Jharkhand      |                     |             | 2961        |                  |             | 6214         |
| Karnataka      | 980                 | 2848        | 2610        | 3668             | 4765        | 7918         |
| Kerala         | 399                 | 2569        | 2174        | 1421             | 3646        | 4565         |
| Madhya Pr.     | 872                 | 3509        | 3238        | 2447             | 3484        | 6185         |
| Maharashtra    | 1537                | 2431        | 2243        | 3154             | 4912        | 7094         |
| Orissa         | 781                 | 2673        | 3096        | 1789             | 2609        | 7713         |
| Punjab         | 1435                | 5796        | 9774        | 4242             | 7931        | 13044        |
| Rajasthan      | 945                 | 4188        | 5464        | 1985             | 4830        | 9540         |
| Tamil Nadu     | 1211                | 1194        | 637         | 2384             | 4516        | 8360         |
| Uttar Pr.      | 1047                | 6737        | 7648        | 3402             | 6915        | 9169         |
| West Bengal    | 1103                | 2385        | 2464        | 3948             | 3112        | 10339        |
| All India      | <b>1120</b>         | <b>3307</b> | <b>3238</b> | <b>2566</b>      | <b>5091</b> | <b>7408</b>  |
| Urban          |                     |             |             |                  |             |              |
| Andhra Pradesh | 396                 | 2083        | 1450        | 2366             | 7769        | 13036        |
| Assam          | 557                 | 3500        | 2696        | 9086             | 6026        | 20048        |
| Bihar          | 900                 | 4458        | 3082        | 2167             | 5921        | 11087        |
| Chhattisgarh   |                     |             | 4244        |                  |             | 4359         |
| Gujarat        | 1684                | 3016        | 4358        | 4183             | 5290        | 9448         |
| Haryana        | 354                 | 14132       | 20372       | 3245             | 10394       | 11148        |
| Jharkhand      |                     |             | 3716        |                  |             | 8434         |
| Karnataka      | 1838                | 2487        | 1660        | 4123             | 5713        | 9837         |
| Kerala         | 781                 | 2428        | 2600        | 1932             | 3064        | 6179         |
| Madhya Pradesh | 690                 | 2668        | 2602        | 2055             | 4411        | 8661         |
| Maharashtra    | 1400                | 2288        | 3297        | 6748             | 6355        | 11678        |
| Orissa         | 739                 | 3406        | 4906        | 2240             | 6150        | 11020        |
| Punjab         | 970                 | 8643        | 10323       | 5240             | 9082        | 19035        |
| Rajasthan      | 1229                | 4045        | 5590        | 1715             | 5007        | 10559        |
| Tamil Nadu     | 2548                | 1485        | 1666        | 3745             | 6255        | 15680        |
| Uttar Pr.      | 2394                | 8254        | 5144        | 3861             | 9375        | 10351        |
| West Bengal    | 1327                | 2143        | 4312        | 7683             | 5115        | 16025        |
| All India      | <b>1348</b>         | <b>3490</b> | <b>3877</b> | <b>4221</b>      | <b>6234</b> | <b>11553</b> |

**Table 5.1: Per 1000 distribution of hospitalisation receiving specific types of medical service by payment category for different types of hospital**

| State/ Services       | Public hospital                         |                     |                           | Private hospital                        |                     |                           |
|-----------------------|-----------------------------------------|---------------------|---------------------------|-----------------------------------------|---------------------|---------------------------|
|                       | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |
| <b>Rural</b>          |                                         |                     |                           |                                         |                     |                           |
| <b>Andhra Pradesh</b> |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 985                                     | 343                 | 657                       | 994                                     | 8                   | 992                       |
| Surgery               | 308                                     | 877                 | 123                       | 304                                     | 58                  | 942                       |
| X-ray/ECG             | 529                                     | 624                 | 376                       | 658                                     | 13                  | 986                       |
| Diagnostic tests      | 729                                     | 692                 | 309                       | 863                                     | 17                  | 982                       |
| <b>Assam</b>          |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 891                                     | 56                  | 944                       | 1000                                    | 233                 | 767                       |
| Surgery               | 115                                     | 277                 | 723                       | 318                                     | 209                 | 791                       |
| X-ray/ECG             | 325                                     | 56                  | 943                       | 565                                     | 136                 | 864                       |
| Diagnostic tests      | 567                                     | 60                  | 940                       | 820                                     | 280                 | 720                       |
| <b>Bihar</b>          |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 831                                     | 63                  | 937                       | 846                                     | 5                   | 995                       |
| Surgery               | 296                                     | 726                 | 274                       | 322                                     | 28                  | 972                       |
| X-ray/ECG             | 599                                     | 152                 | 848                       | 598                                     | 25                  | 975                       |
| Diagnostic tests      | 724                                     | 202                 | 798                       | 719                                     | 12                  | 988                       |
| <b>Chhatisgarh</b>    |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 990                                     | 153                 | 847                       | 991                                     | 33                  | 968                       |
| Surgery               | 150                                     | 285                 | 714                       | 184                                     | 8                   | 992                       |
| X-ray/ECG             | 592                                     | 101                 | 899                       | 422                                     | 4                   | 996                       |
| Diagnostic tests      | 789                                     | 188                 | 812                       | 831                                     | 39                  | 961                       |
| <b>Gujrat</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 999                                     | 193                 | 806                       | 994                                     | 5                   | 994                       |
| Surgery               | 193                                     | 585                 | 415                       | 193                                     | 64                  | 936                       |
| X-ray/ECG             | 549                                     | 497                 | 503                       | 595                                     | 6                   | 994                       |
| Diagnostic tests      | 838                                     | 616                 | 384                       | 774                                     | 8                   | 992                       |
| <b>Haryana</b>        |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 59                  | 941                       | 998                                     | 13                  | 987                       |
| Surgery               | 296                                     | 486                 | 515                       | 210                                     | 53                  | 947                       |
| X-ray/ECG             | 767                                     | 115                 | 885                       | 528                                     | 9                   | 991                       |
| Diagnostic tests      | 825                                     | 249                 | 751                       | 747                                     | 12                  | 988                       |
| <b>Jharkhand</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 59                  | 941                       | 990                                     | 10                  | 990                       |
| Surgery               | 130                                     | 516                 | 484                       | 332                                     | 71                  | 929                       |
| X-ray/ECG             | 374                                     | 174                 | 825                       | 630                                     | 46                  | 954                       |
| Diagnostic tests      | 849                                     | 305                 | 695                       | 736                                     | 28                  | 972                       |
| <b>Karnataka</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 169                 | 832                       | 991                                     | 7                   | 993                       |
| Surgery               | 246                                     | 756                 | 245                       | 239                                     | 57                  | 943                       |
| X-ray/ECG             | 425                                     | 377                 | 622                       | 628                                     | 5                   | 994                       |
| Diagnostic tests      | 716                                     | 569                 | 431                       | 832                                     | 20                  | 981                       |
| <b>Kerala</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 991                                     | 172                 | 827                       | 985                                     | 9                   | 991                       |
| Surgery               | 148                                     | 725                 | 275                       | 133                                     | 36                  | 964                       |



| State/ Services       | Public hospital                         |                     |                           | Private hospital                        |                     |                           |
|-----------------------|-----------------------------------------|---------------------|---------------------------|-----------------------------------------|---------------------|---------------------------|
|                       | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |
| <b>Rural</b>          |                                         |                     |                           |                                         |                     |                           |
| X-ray/ECG             | 474                                     | 142                 | 857                       | 519                                     | 3                   | 998                       |
| Diagnostic tests      | 704                                     | 206                 | 795                       | 746                                     | 11                  | 989                       |
| <b>Madhya Pradesh</b> |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 991                                     | 77                  | 922                       | 978                                     | 9                   | 992                       |
| Surgery               | 231                                     | 615                 | 385                       | 212                                     | 73                  | 927                       |
| X-ray/ECG             | 435                                     | 78                  | 923                       | 509                                     | 7                   | 993                       |
| Diagnostic tests      | 609                                     | 234                 | 766                       | 757                                     | 21                  | 979                       |
| <b>Maharashtra</b>    |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 969                                     | 314                 | 687                       | 981                                     | 15                  | 985                       |
| Surgery               | 233                                     | 839                 | 161                       | 217                                     | 70                  | 930                       |
| X-ray/ECG             | 397                                     | 424                 | 576                       | 604                                     | 7                   | 993                       |
| Diagnostic tests      | 701                                     | 629                 | 371                       | 781                                     | 4                   | 997                       |
| <b>Orissa</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 868                                     | 72                  | 928                       | 934                                     | 54                  | 947                       |
| Surgery               | 154                                     | 657                 | 344                       | 407                                     | 111                 | 889                       |
| X-ray/ECG             | 245                                     | 67                  | 933                       | 471                                     | 0                   | 1000                      |
| Diagnostic tests      | 645                                     | 133                 | 867                       | 685                                     | 47                  | 954                       |
| <b>Punjab</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 786                                     | 70                  | 929                       | 810                                     | 17                  | 983                       |
| Surgery               | 289                                     | 407                 | 513                       | 233                                     | 35                  | 965                       |
| X-ray/ECG             | 678                                     | 148                 | 852                       | 658                                     | 18                  | 983                       |
| Diagnostic tests      | 877                                     | 104                 | 896                       | 838                                     | 17                  | 983                       |
| <b>Rajasthan</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 998                                     | 38                  | 962                       | 998                                     | 2                   | 998                       |
| Surgery               | 176                                     | 683                 | 317                       | 310                                     | 34                  | 966                       |
| X-ray/ECG             | 692                                     | 79                  | 921                       | 760                                     | 2                   | 998                       |
| Diagnostic tests      | 778                                     | 106                 | 895                       | 824                                     | 6                   | 994                       |
| <b>Tamilnadu</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 797                 | 203                       | 1000                                    | 33                  | 967                       |
| Surgery               | 249                                     | 965                 | 36                        | 253                                     | 138                 | 862                       |
| X-ray/ECG             | 523                                     | 864                 | 136                       | 603                                     | 34                  | 966                       |
| Diagnostic tests      | 808                                     | 943                 | 58                        | 817                                     | 33                  | 968                       |
| <b>Uttar Pradesh</b>  |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 982                                     | 54                  | 947                       | 991                                     | 3                   | 997                       |
| Surgery               | 281                                     | 397                 | 603                       | 312                                     | 19                  | 981                       |
| X-ray/ECG             | 557                                     | 78                  | 923                       | 591                                     | 4                   | 995                       |
| Diagnostic tests      | 670                                     | 138                 | 862                       | 672                                     | 4                   | 995                       |
| <b>West Bengal</b>    |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 964                                     | 60                  | 940                       | 982                                     | 28                  | 972                       |
| Surgery               | 152                                     | 739                 | 261                       | 508                                     | 21                  | 978                       |
| X-ray/ECG             | 402                                     | 250                 | 751                       | 666                                     | 6                   | 994                       |
| Diagnostic tests      | 532                                     | 277                 | 722                       | 798                                     | 31                  | 969                       |
| <b>All India</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 966                                     | 190                 | 810                       | 976                                     | 14                  | 987                       |
| Surgery               | 204                                     | 704                 | 296                       | 247                                     | 56                  | 945                       |
| X-ray/ECG             | 477                                     | 289                 | 711                       | 592                                     | 11                  | 989                       |
| Diagnostic tests      | 694                                     | 378                 | 623                       | 775                                     | 16                  | 984                       |

| State/ Services       | Public hospital                         |                     |                           | Private hospital                        |                     |                           |
|-----------------------|-----------------------------------------|---------------------|---------------------------|-----------------------------------------|---------------------|---------------------------|
|                       | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |
| <b>Urban</b>          |                                         |                     |                           |                                         |                     |                           |
| <b>Andhra Pradesh</b> |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 994                                     | 342                 | 658                       | 974                                     | 11                  | 989                       |
| Surgery               | 266                                     | 862                 | 138                       | 267                                     | 33                  | 967                       |
| X-ray/ECG             | 567                                     | 462                 | 538                       | 697                                     | 23                  | 978                       |
| Diagnostic tests      | 774                                     | 583                 | 417                       | 883                                     | 16                  | 984                       |
| <b>Assam</b>          |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 952                                     | 49                  | 951                       | 931                                     | 0                   | 1000                      |
| Surgery               | 132                                     | 85                  | 915                       | 327                                     | 0                   | 1000                      |
| X-ray/ECG             | 703                                     | 76                  | 924                       | 626                                     | 60                  | 940                       |
| Diagnostic tests      | 688                                     | 88                  | 912                       | 893                                     | 58                  | 942                       |
| <b>Bihar</b>          |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 773                                     | 294                 | 706                       | 723                                     | 8                   | 992                       |
| Surgery               | 300                                     | 514                 | 486                       | 426                                     | 13                  | 986                       |
| X-ray/ECG             | 478                                     | 61                  | 939                       | 528                                     | 0                   | 1000                      |
| Diagnostic tests      | 643                                     | 217                 | 783                       | 762                                     | 8                   | 992                       |
| <b>Chhatisgarh</b>    |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 938                                     | 465                 | 535                       | 959                                     | 34                  | 966                       |
| Surgery               | 290                                     | 261                 | 739                       | 241                                     | 96                  | 904                       |
| X-ray/ECG             | 538                                     | 505                 | 494                       | 443                                     | 65                  | 935                       |
| Diagnostic tests      | 790                                     | 571                 | 429                       | 840                                     | 39                  | 961                       |
| <b>Gujarat</b>        |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 111                 | 888                       | 1000                                    | 13                  | 987                       |
| Surgery               | 291                                     | 548                 | 452                       | 196                                     | 70                  | 930                       |
| X-ray/ECG             | 700                                     | 494                 | 506                       | 550                                     | 25                  | 975                       |
| Diagnostic tests      | 756                                     | 464                 | 536                       | 838                                     | 21                  | 979                       |
| <b>Haryana</b>        |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 76                  | 923                       | 998                                     | 0                   | 1000                      |
| Surgery               | 205                                     | 503                 | 497                       | 289                                     | 17                  | 983                       |
| X-ray/ECG             | 741                                     | 134                 | 867                       | 688                                     | 0                   | 1000                      |
| Diagnostic tests      | 751                                     | 279                 | 721                       | 776                                     | 0                   | 1000                      |
| <b>Jharkhand</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 258                 | 742                       | 1000                                    | 109                 | 890                       |
| Surgery               | 226                                     | 554                 | 447                       | 269                                     | 169                 | 831                       |
| X-ray/ECG             | 566                                     | 607                 | 393                       | 750                                     | 134                 | 866                       |
| Diagnostic tests      | 813                                     | 488                 | 512                       | 760                                     | 166                 | 834                       |
| <b>Karnataka</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 278                 | 722                       | 999                                     | 4                   | 996                       |
| Surgery               | 157                                     | 772                 | 228                       | 254                                     | 0                   | 1000                      |
| X-ray/ECG             | 576                                     | 478                 | 521                       | 649                                     | 0                   | 1000                      |
| Diagnostic tests      | 746                                     | 497                 | 503                       | 904                                     | 2                   | 998                       |
| <b>Kerala</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 996                                     | 170                 | 830                       | 997                                     | 6                   | 993                       |
| Surgery               | 170                                     | 627                 | 373                       | 146                                     | 14                  | 986                       |
| X-ray/ECG             | 463                                     | 212                 | 788                       | 562                                     | 4                   | 996                       |
| Diagnostic tests      | 738                                     | 311                 | 689                       | 811                                     | 13                  | 987                       |

| State/ Services       | Public hospital                         |                     |                           | Private hospital                        |                     |                           |
|-----------------------|-----------------------------------------|---------------------|---------------------------|-----------------------------------------|---------------------|---------------------------|
|                       | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |
| <b>Urban</b>          |                                         |                     |                           |                                         |                     |                           |
| <b>Madhya Pradesh</b> |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 963                                     | 75                  | 925                       | 991                                     | 29                  | 970                       |
| Surgery               | 132                                     | 719                 | 281                       | 259                                     | 20                  | 980                       |
| X-ray/ECG             | 468                                     | 303                 | 698                       | 585                                     | 0                   | 1000                      |
| Diagnostic tests      | 666                                     | 329                 | 671                       | 846                                     | 3                   | 997                       |
| <b>Maharashtra</b>    |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 935                                     | 310                 | 690                       | 946                                     | 15                  | 985                       |
| Surgery               | 186                                     | 588                 | 412                       | 258                                     | 16                  | 984                       |
| X-ray/ECG             | 570                                     | 503                 | 497                       | 623                                     | 16                  | 984                       |
| Diagnostic tests      | 716                                     | 498                 | 501                       | 835                                     | 19                  | 981                       |
| <b>Orissa</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 875                                     | 190                 | 810                       | 984                                     | 6                   | 994                       |
| Surgery               | 96                                      | 744                 | 256                       | 287                                     | 22                  | 978                       |
| X-ray/ECG             | 396                                     | 279                 | 720                       | 517                                     | 77                  | 923                       |
| Diagnostic tests      | 678                                     | 248                 | 752                       | 941                                     | 0                   | 1000                      |
| <b>Punjab</b>         |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 888                                     | 39                  | 961                       | 862                                     | 5                   | 994                       |
| Surgery               | 363                                     | 353                 | 648                       | 342                                     | 19                  | 981                       |
| X-ray/ECG             | 782                                     | 34                  | 967                       | 758                                     | 4                   | 997                       |
| Diagnostic tests      | 895                                     | 169                 | 831                       | 849                                     | 6                   | 995                       |
| <b>Rajasthan</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 995                                     | 38                  | 962                       | 983                                     | 6                   | 994                       |
| Surgery               | 201                                     | 681                 | 319                       | 305                                     | 31                  | 969                       |
| X-ray/ECG             | 654                                     | 81                  | 918                       | 744                                     | 8                   | 992                       |
| Diagnostic tests      | 768                                     | 141                 | 859                       | 827                                     | 10                  | 990                       |
| <b>Tamilnadu</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 1000                                    | 814                 | 186                       | 1000                                    | 20                  | 980                       |
| Surgery               | 228                                     | 920                 | 80                        | 305                                     | 90                  | 910                       |
| X-ray/ECG             | 656                                     | 816                 | 184                       | 728                                     | 27                  | 972                       |
| Diagnostic tests      | 890                                     | 906                 | 94                        | 922                                     | 30                  | 970                       |
| <b>Uttar Pradesh</b>  |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 996                                     | 110                 | 890                       | 970                                     | 3                   | 997                       |
| Surgery               | 289                                     | 461                 | 540                       | 358                                     | 10                  | 990                       |
| X-ray/ECG             | 520                                     | 149                 | 852                       | 610                                     | 13                  | 987                       |
| Diagnostic tests      | 686                                     | 244                 | 756                       | 751                                     | 9                   | 991                       |
| <b>West Bengal</b>    |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 988                                     | 82                  | 919                       | 978                                     | 18                  | 982                       |
| Surgery               | 202                                     | 741                 | 259                       | 471                                     | 13                  | 987                       |
| X-ray/ECG             | 539                                     | 294                 | 707                       | 744                                     | 25                  | 974                       |
| Diagnostic tests      | 610                                     | 299                 | 701                       | 845                                     | 19                  | 981                       |
| <b>All India</b>      |                                         |                     |                           |                                         |                     |                           |
| Medicine              | 973                                     | 246                 | 754                       | 972                                     | 13                  | 987                       |
| Surgery               | 213                                     | 662                 | 338                       | 276                                     | 31                  | 969                       |
| X-ray/ECG             | 569                                     | 387                 | 613                       | 642                                     | 17                  | 983                       |
| Diagnostic tests      | 734                                     | 444                 | 556                       | 841                                     | 17                  | 983                       |

**Table 5.2: Per 1000 distribution of hospitalisation receiving specific types of medical service by payment category**

| Rural                      |                                         |                     |                           |      |
|----------------------------|-----------------------------------------|---------------------|---------------------------|------|
|                            | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |      |
| <b>Arunachal Pradesh</b>   |                                         |                     |                           |      |
| Medicine                   | 900                                     | 112                 | 888                       | 1000 |
| Surgery                    | 66                                      | 737                 | 263                       | 1000 |
| X-ray/ECG                  | 281                                     | 340                 | 660                       | 1000 |
| Diagnostic tests           | 565                                     | 359                 | 641                       | 1000 |
| <b>Delhi</b>               |                                         |                     |                           |      |
| Medicine                   | 1000                                    | 16                  | 984                       | 1000 |
| Surgery                    | 348                                     | 375                 | 625                       | 1000 |
| X-ray/ECG                  | 588                                     | 26                  | 974                       | 1000 |
| Diagnostic tests           | 913                                     | 170                 | 830                       | 1000 |
| <b>Goa</b>                 |                                         |                     |                           |      |
| Medicine                   | 1000                                    | 0                   | 1000                      | 1000 |
| Surgery                    | 256                                     | 393                 | 607                       | 1000 |
| X-ray/ECG                  | 545                                     | 421                 | 579                       | 1000 |
| Diagnostic tests           | 952                                     | 308                 | 692                       | 1000 |
| <b>Himachal Pradesh</b>    |                                         |                     |                           |      |
| Medicine                   | 985                                     | 11                  | 989                       | 1000 |
| Surgery                    | 268                                     | 385                 | 615                       | 1000 |
| X-ray/ECG                  | 738                                     | 46                  | 954                       | 1000 |
| Diagnostic tests           | 847                                     | 149                 | 851                       | 1000 |
| <b>Jammu &amp; Kashmir</b> |                                         |                     |                           |      |
| Medicine                   | 996                                     | 22                  | 978                       | 1000 |
| Surgery                    | 384                                     | 871                 | 129                       | 1000 |
| X-ray/ECG                  | 781                                     | 435                 | 565                       | 1000 |
| Diagnostic tests           | 892                                     | 408                 | 592                       |      |
| <b>Manipur</b>             |                                         |                     |                           |      |
| Medicine                   | 794                                     | 57                  | 943                       | 1000 |
| Surgery                    | 323                                     | 533                 | 467                       | 1000 |
| X-ray/ECG                  | 633                                     | 66                  | 935                       | 1000 |

| Rural              |                                         |                     |                           |      |
|--------------------|-----------------------------------------|---------------------|---------------------------|------|
|                    | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |      |
| Diagnostic tests   | 696                                     | 110                 | 890                       | 1000 |
| <b>Meghalaya</b>   |                                         |                     |                           |      |
| Medicine           | 993                                     | 76                  | 924                       | 1000 |
| Surgery            | 46                                      | 538                 | 462                       | 1000 |
| X-ray/ECG          | 383                                     | 180                 | 820                       | 1000 |
| Diagnostic tests   | 655                                     | 355                 | 644                       | 1000 |
| <b>Mizoram</b>     |                                         |                     |                           |      |
| Medicine           | 920                                     | 97                  | 902                       | 1000 |
| Surgery            | 15                                      | 1000                | 0                         | 1000 |
| X-ray/ECG          | 263                                     | 165                 | 835                       | 1000 |
| Diagnostic tests   | 725                                     | 587                 | 413                       |      |
| <b>Nagaland</b>    |                                         |                     |                           |      |
| Medicine           | 958                                     | 0                   | 1000                      | 1000 |
| Surgery            | 74                                      | 91                  | 909                       | 1000 |
| X-ray/ECG          | 454                                     | 276                 | 725                       | 1000 |
| Diagnostic tests   | 853                                     | 293                 | 707                       | 1000 |
| <b>Sikkim</b>      |                                         |                     |                           |      |
| Medicine           | 966                                     | 55                  | 944                       | 1000 |
| Surgery            | 56                                      | 644                 | 356                       | 1000 |
| X-ray/ECG          | 533                                     | 194                 | 806                       | 1000 |
| Diagnostic tests   | 655                                     | 304                 | 696                       | 1000 |
| <b>Tripura</b>     |                                         |                     |                           |      |
| Medicine           | 915                                     | 16                  | 984                       | 1000 |
| Surgery            | 60                                      | 562                 | 438                       | 1000 |
| X-ray/ECG          | 189                                     | 386                 | 614                       | 1000 |
| Diagnostic tests   | 422                                     | 403                 | 597                       | 1000 |
| <b>Uttaranchal</b> |                                         |                     |                           |      |
| Medicine           | 989                                     | 33                  | 967                       | 1000 |
| Surgery            | 328                                     | 201                 | 799                       | 1000 |
| X-ray/ECG          | 655                                     | 138                 | 861                       | 1000 |
| Diagnostic tests   | 789                                     | 186                 | 815                       | 1000 |

| Rural                     |                                         |                     |                           |      |
|---------------------------|-----------------------------------------|---------------------|---------------------------|------|
|                           | Total per 1000 cases receiving services | Free per 1000 cases | On payment per 1000 cases |      |
| <b>Andaman &amp; N.Is</b> |                                         |                     |                           |      |
| Medicine                  | 1000                                    | 923                 | 77                        | 1000 |
| Surgery                   | 68                                      | 1000                | 0                         | 1000 |
| X-ray/ECG                 | 416                                     | 859                 | 141                       | 1000 |
| Diognostic tests          | 831                                     | 907                 | 93                        | 1000 |
| <b>Chandigarh</b>         |                                         |                     |                           |      |
| Medicine                  | 991                                     | 0                   | 1000                      | 1000 |
| Surgery                   | 515                                     | 512                 | 489                       | 1000 |
| X-ray/ECG                 | 951                                     | 252                 | 748                       | 1000 |
| Diognostic tests          | 957                                     | 222                 | 778                       | 1000 |
| <b>Dadra &amp; Nagar</b>  |                                         |                     |                           |      |
| Medicine                  | 1000                                    | 51                  | 949                       | 1000 |
| Surgery                   | 21                                      | 611                 | 389                       | 1000 |
| X-ray/ECG                 | 562                                     | 81                  | 920                       | 1000 |
| Diognostic tests          | 933                                     | 36                  | 964                       | 1000 |
| <b>Daman &amp; Diu</b>    |                                         |                     |                           |      |
| Medicine                  | 1000                                    | 41                  | 959                       | 1000 |
| Surgery                   | 200                                     | 0                   | 1000                      | 1000 |
| X-ray/ECG                 | 349                                     | 124                 | 876                       | 1000 |
| Diognostic tests          | 946                                     | 72                  | 928                       | 1000 |
| <b>Lakshadweep</b>        |                                         |                     |                           |      |
| Medicine                  | 1000                                    | 549                 | 451                       | 1000 |
| Surgery                   | 188                                     | 162                 | 838                       | 1000 |
| X-ray/ECG                 | 497                                     | 196                 | 804                       | 1000 |
| Diognostic tests          | 672                                     | 450                 | 550                       | 1000 |
| <b>Pondichery</b>         |                                         |                     |                           |      |
| Medicine                  | 1000                                    | 753                 | 247                       | 1000 |
| Surgery                   | 415                                     | 903                 | 97                        | 1000 |
| X-ray/ECG                 | 753                                     | 837                 | 163                       | 1000 |
| Diognostic tests          | 1000                                    | 878                 | 122                       | 1000 |

| Urban                      | Total per 1000 cases<br>receiving services | Free per 1000<br>cases | On payment<br>per 1000 cases |      |
|----------------------------|--------------------------------------------|------------------------|------------------------------|------|
| <b>Arunachal Pradesh</b>   |                                            |                        |                              |      |
| Medicine                   | 595                                        | 72                     | 928                          | 1000 |
| Surgery                    | 169                                        | 168                    | 831                          | 1000 |
| X-ray/ECG                  | 315                                        | 58                     | 942                          | 1000 |
| Diagnostic tests           | 854                                        | 123                    | 877                          | 1000 |
| <b>Delhi</b>               |                                            |                        |                              |      |
| Medicine                   | 972                                        | 83                     | 917                          | 1000 |
| Surgery                    | 303                                        | 242                    | 757                          | 1000 |
| X-ray/ECG                  | 776                                        | 168                    | 831                          | 1000 |
| Diagnostic tests           | 846                                        | 238                    | 762                          | 1000 |
| <b>Goa</b>                 |                                            |                        |                              |      |
| Medicine                   | 983                                        | 114                    | 886                          | 1000 |
| Surgery                    | 257                                        | 219                    | 781                          | 1000 |
| X-ray/ECG                  | 658                                        | 448                    | 552                          | 1000 |
| Diagnostic tests           | 885                                        | 398                    | 602                          | 1000 |
| <b>Himachal Pradesh</b>    |                                            |                        |                              |      |
| Medicine                   | 837                                        | 117                    | 883                          | 1000 |
| Surgery                    | 328                                        | 552                    | 448                          | 1000 |
| X-ray/ECG                  | 596                                        | 114                    | 886                          | 1000 |
| Diagnostic tests           | 681                                        | 232                    | 768                          | 1000 |
| <b>Jammu &amp; Kashmir</b> |                                            |                        |                              |      |
| Medicine                   | 1000                                       | 4                      | 996                          | 1000 |
| Surgery                    | 438                                        |                        |                              | 1000 |
| X-ray/ECG                  | 814                                        | 295                    | 705                          | 1000 |
| Diagnostic tests           | 870                                        | 319                    | 680                          | 1000 |
| <b>Manipur</b>             |                                            |                        |                              |      |
| Medicine                   | 894                                        | 12                     | 988                          | 1000 |
| Surgery                    | 424                                        | 517                    | 483                          | 1000 |
| X-ray/ECG                  | 679                                        | 36                     | 964                          | 1000 |
| Diagnostic tests           | 750                                        | 88                     | 912                          | 1000 |

| Urban              | Total per 1000 cases<br>receiving services | Free per 1000<br>cases | On payment<br>per 1000 cases |      |
|--------------------|--------------------------------------------|------------------------|------------------------------|------|
| <b>Meghalaya</b>   |                                            |                        |                              |      |
| Medicine           | 993                                        | 111                    | 890                          | 1000 |
| Surgery            | 133                                        | 293                    | 707                          | 1000 |
| X-ray/ECG          | 578                                        | 206                    | 794                          | 1000 |
| Diagnostic tests   | 823                                        | 287                    | 712                          | 1000 |
| <b>Mizoram</b>     |                                            |                        |                              |      |
| Medicine           | 879                                        | 56                     | 947                          | 1000 |
| Surgery            | 143                                        | 607                    | 393                          | 1000 |
| X-ray/ECG          | 447                                        | 135                    | 865                          | 1000 |
| Diagnostic tests   | 532                                        | 287                    | 713                          | 1000 |
| <b>Nagaland</b>    |                                            |                        |                              |      |
| Medicine           | 966                                        | 0                      | 1000                         | 1000 |
| Surgery            | 115                                        | 0                      | 1000                         | 1000 |
| X-ray/ECG          | 668                                        | 239                    | 761                          | 1000 |
| Diagnostic tests   | 852                                        | 250                    | 751                          | 1000 |
| <b>Sikkim</b>      |                                            |                        |                              |      |
| Medicine           | 960                                        | 0                      | 1000                         | 1000 |
| Surgery            | 190                                        | 96                     | 904                          | 1000 |
| X-ray/ECG          | 586                                        | 81                     | 919                          | 1000 |
| Diagnostic tests   | 795                                        | 152                    | 848                          | 1000 |
| <b>Tripura</b>     |                                            |                        |                              |      |
| Medicine           | 919                                        | 37                     | 963                          | 1000 |
| Surgery            | 122                                        | 528                    | 472                          | 1000 |
| X-ray/ECG          | 327                                        | 189                    | 811                          | 1000 |
| Diagnostic tests   | 548                                        | 373                    | 627                          | 1000 |
| <b>Uttaranchal</b> |                                            |                        |                              |      |
| Medicine           | 980                                        | 22                     | 978                          | 1000 |
| Surgery            | 578                                        | 127                    | 873                          | 1000 |
| X-ray/ECG          | 729                                        | 65                     | 935                          | 1000 |
| Diagnostic tests   | 837                                        | 71                     | 929                          | 1000 |



| Urban                     | Total per 1000 cases<br>receiving services | Free per 1000<br>cases | On payment<br>per 1000 cases |      |
|---------------------------|--------------------------------------------|------------------------|------------------------------|------|
| <b>Andaman &amp; N.Is</b> |                                            |                        |                              |      |
| Medicine                  | 1000                                       | 845                    | 155                          | 1000 |
| Surgery                   | 115                                        | 638                    | 362                          | 1000 |
| X-ray/ECG                 | 650                                        | 804                    | 196                          | 1000 |
| Diognostic tests          | 879                                        | 848                    | 152                          | 1000 |
| <b>Chandigarh</b>         |                                            |                        |                              |      |
| Medicine                  | 1000                                       | 0                      | 1000                         | 1000 |
| Surgery                   | 431                                        | 152                    | 848                          | 1000 |
| X-ray/ECG                 | 779                                        | 48                     | 953                          | 1000 |
| Diognostic tests          | 784                                        | 105                    | 896                          | 1000 |
| <b>Dadra &amp; Nagar</b>  |                                            |                        |                              |      |
| Medicine                  | 985                                        | 76                     | 934                          | 1000 |
| Surgery                   | 269                                        | 167                    | 833                          | 1000 |
| X-ray/ECG                 | 666                                        | 94                     | 906                          | 1000 |
| Diognostic tests          | 728                                        | 86                     | 914                          | 1000 |
| <b>Daman &amp; Diu</b>    |                                            |                        |                              |      |
| Medicine                  | 1000                                       | 11                     | 989                          | 1000 |
| Surgery                   | 179                                        | 141                    | 859                          | 1000 |
| X-ray/ECG                 | 732                                        | 135                    | 865                          | 1000 |
| Diognostic tests          | 800                                        | 154                    | 846                          | 1000 |
| <b>Lakshadweep</b>        |                                            |                        |                              |      |
| Medicine                  | 989                                        | 441                    | 559                          | 1000 |
| Surgery                   | 264                                        | 0                      | 1000                         | 1000 |
| X-ray/ECG                 | 564                                        | 170                    | 830                          | 1000 |
| Diognostic tests          | 588                                        | 183                    | 817                          | 1000 |
| <b>Pondichery</b>         |                                            |                        |                              |      |
| Medicine                  | 1000                                       | 456                    | 544                          | 1000 |
| Surgery                   | 269                                        | 487                    | 513                          | 1000 |
| X-ray/ECG                 | 638                                        | 507                    | 492                          | 1000 |
| Diognostic tests          | 968                                        | 569                    | 432                          | 1000 |

| Table 6.1: Average expenditure on antenatal care services (ANC), post-natal care services (PNC) by source of service for each major state |              |      |              |      |              |      |              |      |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|--------------|------|--------------|------|--------------|------|
| Major state                                                                                                                               | Rural        |      |              |      | Urban        |      |              |      |
|                                                                                                                                           | ANC services |      | PNC services |      | ANC services |      | PNC services |      |
|                                                                                                                                           | Govt.        | Pvt. | Govt.        | Pvt. | Govt.        | Pvt. | Govt.        | Pvt. |
| Andhra Pradesh                                                                                                                            | 407          | 1446 | 220          | 476  | 630          | 1614 | 341          | 533  |
| Assam                                                                                                                                     | 167          | 624  | 306          | 401  | 412          | 687  | 503          | 1663 |
| Bihar                                                                                                                                     | 408          | 473  | 238          | 339  | 266          | 603  | 522          | 344  |
| Chhattisgarh                                                                                                                              | 94           | 341  | 132          | 151  | 122          | 734  | 100          | 643  |
| Gujarat                                                                                                                                   | 61           | 1872 | 139          | 1781 | 337          | 1568 | 243          | 955  |
| Haryana                                                                                                                                   | 186          | 876  | 244          | 1245 | 306          | 1141 | 263          | 1303 |
| Jharkhand                                                                                                                                 | 258          | 293  | 104          | 179  | 419          | 841  | 500          | 421  |
| Karnataka                                                                                                                                 | 113          | 948  | 178          | 447  | 293          | 1271 | 236          | 867  |
| Kerala                                                                                                                                    | 1337         | 1492 | 784          | 1388 | 1163         | 1905 | 1614         | 1331 |
| Madhya Pradesh                                                                                                                            | 214          | 1189 | 308          | 589  | 334          | 1180 | 411          | 980  |
| Maharashtra                                                                                                                               | 142          | 1246 | 115          | 485  | 341          | 1636 | 314          | 779  |
| Orissa                                                                                                                                    | 186          | 752  | 246          | 421  | 617          | 916  | 137          | 1540 |
| Punjab                                                                                                                                    | 930          | 1631 | 658          | 587  | 384          | 2282 | 682          | 786  |
| Rajasthan                                                                                                                                 | 292          | 883  | 548          | 864  | 586          | 1687 | 911          | 1805 |
| Tamil Nadu                                                                                                                                | 116          | 1730 | 63           | 596  | 126          | 1739 | 130          | 732  |
| Uttar Pradesh                                                                                                                             | 109          | 556  | 175          | 395  | 225          | 665  | 282          | 464  |
| West Bengal                                                                                                                               | 262          | 622  | 130          | 341  | 379          | 1332 | 423          | 589  |
| India                                                                                                                                     | 230          | 918  | 232          | 541  | 356          | 1377 | 367          | 762  |

| Table 6.2 : Average expenditure per childbirth (Rs.) by place of delivery in major states |                |                  |                |                  |
|-------------------------------------------------------------------------------------------|----------------|------------------|----------------|------------------|
| Major state                                                                               | Rural          |                  | Urban          |                  |
|                                                                                           | Govt. hospital | Private hospital | Govt. hospital | Private hospital |
| Andhra Pradesh                                                                            | 885            | 3,082            | 744            | 5,142            |
| Assam                                                                                     | 1,252          | 1,906            | 1,003          | 6,651            |
| Bihar                                                                                     | 2,327          | 2,187            | 1,443          | 1,813            |
| Chhattisgarh                                                                              | 678            | 3,342            | 1,213          | 3,784            |
| Gujarat                                                                                   | 1,415          | 3,221            | 499            | 4,803            |
| Haryana                                                                                   | 2,786          | 5,240            | 1,096          | 4,520            |
| Jharkhand                                                                                 | 660            | 1,446            | 2,007          | 5,208            |
| Karnataka                                                                                 | 340            | 4,141            | 483            | 6,937            |
| Kerala                                                                                    | 2,088          | 6,391            | 1,686          | 6,172            |
| Madhya Pradesh                                                                            | 1,626          | 7,186            | 905            | 5,624            |
| Maharashtra                                                                               | 633            | 2,756            | 828            | 5,995            |
| Orissa                                                                                    | 1,603          | 2,266            | 1,046          | 6,931            |
| Punjab                                                                                    | 3,342          | 5,770            | 2,352          | 5,806            |
| Rajasthan                                                                                 | 1,714          | 3,448            | 2,870          | 6,345            |
| Tamil Nadu                                                                                | 482            | 5,199            | 374            | 6,744            |
| Uttar Pradesh                                                                             | 1,725          | 4,008            | 1,688          | 4,361            |
| West Bengal                                                                               | 827            | 4,370            | 1,060          | 6,551            |
| India                                                                                     | 1,165          | 4,137            | 994            | 5,480            |

**Table 6.3: Average expenditure on immunisation per child of age 0-4 years receiving immunisation in each major state**

| Major State    | Average expenditure on immunisation per child (Rs.) |       |
|----------------|-----------------------------------------------------|-------|
|                | Rural                                               | Urban |
| Andhra Pradesh | 36                                                  | 90    |
| Assam          | 25                                                  | 172   |
| Bihar          | 32                                                  | 119   |
| Chhattisgarh   | 10                                                  | 54    |
| Gujarat        | 9                                                   | 160   |
| Haryana        | 24                                                  | 74    |
| Jharkhand      | 23                                                  | 129   |
| Karnataka      | 21                                                  | 64    |
| Kerala         | 50                                                  | 128   |
| Madhya Pradesh | 8                                                   | 49    |
| Maharashtra    | 28                                                  | 179   |
| Orissa         | 6                                                   | 46    |
| Punjab         | 34                                                  | 90    |
| Rajasthan      | 4                                                   | 18    |
| Tamil Nadu     | 34                                                  | 124   |
| Uttar Pradesh  | 11                                                  | 62    |
| West Bengal    | 11                                                  | 147   |
| India          | 20                                                  | 113   |

**Table 7.1 : Per 1000 distribution of aged persons with illness or otherwise by their perception about current state of health**

| State          | No. per 1000 of aged persons reporting illness | Aged person with illness                     |      |       | Aged person without illness                  |      |       |
|----------------|------------------------------------------------|----------------------------------------------|------|-------|----------------------------------------------|------|-------|
|                |                                                | Own perception about current state of health |      |       | Own perception about current state of health |      |       |
|                |                                                | Good                                         | Poor | Total | Good                                         | Poor | Total |
| <b>Rural</b>   |                                                |                                              |      |       |                                              |      |       |
| Andhra Pradesh | 364                                            | 522                                          | 477  | 1000  | 829                                          | 171  | 1000  |
| Assam          | 391                                            | 531                                          | 469  | 1000  | 747                                          | 253  | 1000  |
| Bihar          | 174                                            | 517                                          | 483  | 1000  | 703                                          | 296  | 1000  |
| Chhattisgarh   | 155                                            | 477                                          | 523  | 1000  | 837                                          | 164  | 1000  |
| Gujarat        | 309                                            | 767                                          | 233  | 1000  | 909                                          | 91   | 1000  |
| Haryana        | 234                                            | 622                                          | 378  | 1000  | 874                                          | 126  | 1000  |
| Jharkhand      | 85                                             | 676                                          | 324  | 1000  | 668                                          | 332  | 1000  |
| Karnataka      | 302                                            | 545                                          | 455  | 1000  | 910                                          | 90   | 1000  |
| Kerala         | 588                                            | 474                                          | 526  | 1000  | 750                                          | 251  | 1000  |
| Madhya Pradesh | 217                                            | 521                                          | 478  | 1000  | 789                                          | 210  | 1000  |
| Maharashtra    | 312                                            | 661                                          | 339  | 1000  | 865                                          | 135  | 1000  |
| Orissa         | 164                                            | 451                                          | 549  | 1000  | 716                                          | 283  | 1000  |
| Punjab         | 366                                            | 682                                          | 317  | 1000  | 872                                          | 128  | 1000  |
| Rajasthan      | 151                                            | 518                                          | 482  | 1000  | 825                                          | 176  | 1000  |
| Tamil Nadu     | 296                                            | 761                                          | 239  | 1000  | 907                                          | 93   | 1000  |
| Uttar Pradesh  | 283                                            | 520                                          | 480  | 1000  | 728                                          | 272  | 1000  |
| West Bengal    | 379                                            | 428                                          | 572  | 1000  | 638                                          | 362  | 1000  |
| All-India      | 289                                            | 558                                          | 442  | 1000  | 790                                          | 210  | 1000  |
| <b>Urban</b>   |                                                |                                              |      |       |                                              |      |       |
| Andhra Pradesh | 546                                            | 679                                          | 322  | 1000  | 898                                          | 101  | 1000  |
| Assam          | 365                                            | 586                                          | 414  | 1000  | 783                                          | 216  | 1000  |
| Bihar          | 249                                            | 543                                          | 456  | 1000  | 745                                          | 256  | 1000  |
| Chhattisgarh   | 258                                            | 540                                          | 460  | 1000  | 786                                          | 214  | 1000  |
| Guarat         | 339                                            | 724                                          | 275  | 1000  | 939                                          | 61   | 1000  |
| Haryana        | 287                                            | 666                                          | 334  | 1000  | 862                                          | 138  | 1000  |
| Jharkhand      | 160                                            | 510                                          | 490  | 1000  | 775                                          | 224  | 1000  |
| Karnataka      | 332                                            | 644                                          | 356  | 1000  | 884                                          | 115  | 1000  |
| Kerala         | 572                                            | 597                                          | 403  | 1000  | 835                                          | 165  | 1000  |
| Madhya Pradesh | 254                                            | 498                                          | 502  | 1000  | 782                                          | 219  | 1000  |
| Maharashtra    | 425                                            | 707                                          | 293  | 1000  | 855                                          | 145  | 1000  |
| Orissa         | 177                                            | 528                                          | 472  | 1000  | 798                                          | 202  | 1000  |
| Punjab         | 317                                            | 672                                          | 329  | 1000  | 860                                          | 140  | 1000  |
| Rajasthan      | 274                                            | 478                                          | 522  | 1000  | 800                                          | 200  | 1000  |
| Tamil Nadu     | 333                                            | 826                                          | 174  | 1000  | 934                                          | 66   | 1000  |
| Uttar Pradesh  | 342                                            | 546                                          | 454  | 1000  | 756                                          | 243  | 1000  |
| West Bengal    | 522                                            | 606                                          | 393  | 1000  | 768                                          | 233  | 1000  |
| All-India      | 376                                            | 646                                          | 353  | 1000  | 839                                          | 161  | 1000  |

**Table 7.2: Mobility of aged - per 1000 aged mobile in different age-groups**

| State<br>Rural | Aged mobile per 1000 aged |       |       |       |            |          |
|----------------|---------------------------|-------|-------|-------|------------|----------|
|                | 60-64                     | 65-69 | 70-74 | 75-79 | 80 & above | All aged |
| Andhra Pradesh | 963                       | 925   | 860   | 801   | 645        | 897      |
| Assam          | 920                       | 879   | 808   | 757   | 613        | 871      |
| Bihar          | 950                       | 938   | 873   | 848   | 740        | 912      |
| Chhattisgarh   | 937                       | 950   | 929   | 769   | 592'       | 916      |
| Gujarat        | 980                       | 945   | 929   | 890   | 816        | 940      |
| Haryana        | 977                       | 982   | 942   | 880   | 863        | 948      |
| Jharkhand      | 911                       | 947   | 841   | 775   | 486        | 873      |
| Karnataka      | 965                       | 937   | 845   | 823   | 743        | 914      |
| Kerala         | 943                       | 917   | 916   | 730   | 674        | 864      |
| Madhya Pradesh | 918                       | 922   | 852   | 922   | 503        | 881      |
| Maharashtra    | 966                       | 952   | 869   | 889   | 772        | 922      |
| Orissa         | 947                       | 909   | 891   | 833   | 703        | 905      |
| Punjab         | 959                       | 954   | 846   | 802   | 797        | 910      |
| Rajasthan      | 970                       | 960   | 882   | 936   | 641        | 913      |
| Tamil Nadu     | 982                       | 974   | 930   | 973   | 782        | 955      |
| Uttar Pradesh  | 931                       | 936   | 890   | 865   | 671        | 896      |
| West Bengal    | 908                       | 906   | 812   | 733   | 547        | 849      |
| ALL            | 947                       | 936   | 878   | 845   | 682        | 902      |
| Urban          |                           |       |       |       |            |          |
| Andhra Pradesh | 946                       | 946   | 894   | 809   | 761        | 912      |
| Assam          | 899                       | 961   | 860   | 572   | 764        | 866      |
| Bihar          | 863                       | 957   | 671   | 977   | 844        | 861      |
| Chhattisgarh   | 887                       | 937   | 687   | 588   | 504        | 834      |
| Gujarat        | 957                       | 946   | 913   | 961   | 792        | 936      |
| Haryana        | 922                       | 975   | 783   | 738   | 811        | 886      |
| Jharkhand      | 922                       | 916   | 816   | 806   | 681        | 867      |
| Karnataka      | 943                       | 930   | 899   | 819   | 729        | 905      |
| Kerala         | 977                       | 915   | 849   | 916   | 477        | 867      |
| Madhya Pradesh | 910                       | 946   | 887   | 879   | 687        | 891      |
| Maharashtra    | 946                       | 957   | 945   | 887   | 627        | 909      |
| Orissa         | 963                       | 890   | 876   | 816   | 737        | 906      |
| Punjab         | 948                       | 969   | 879   | 836   | 806        | 921      |
| Rajasthan      | 907                       | 963   | 956   | 908   | 768        | 905      |
| Tamil Nadu     | 987                       | 951   | 912   | 918   | 819        | 944      |
| Uttar Pradesh  | 956                       | 890   | 930   | 763   | 680        | 892      |
| West Bengal    | 939                       | 944   | 876   | 757   | 665        | 872      |
| ALL            | 946                       | 938   | 896   | 842   | 690        | 900      |

**Table 7.2(S ): Mobility of aged - per 1000 aged mobile in different age-groups- Smaller states - 60th Round**

| State<br>Rural             | Aged mobile per 1000 aged |       |       |       |            |          |
|----------------------------|---------------------------|-------|-------|-------|------------|----------|
|                            | 60-64                     | 65-69 | 70-74 | 75-79 | 80 & above | All aged |
| <b>Arunachal Pradesh</b>   | 772                       | 555   | 625   | 862   | 681        | 700      |
| <b>Himachal Pradesh</b>    | 952                       | 890   | 901   | 828   | 762        | 889      |
| <b>Jammu &amp; Kashmir</b> | 975                       | 902   | 888   | 839   | 430        | 862      |
| <b>Manipur</b>             | 743                       | 742   | 682   | 768   | 424        | 718      |
| <b>Meghalaya</b>           | 780                       | 882   | 683   | 607   | 369        | 775      |
| <b>Mizoram</b>             | 726                       | 773   | 906   | 728   | 263        | 761      |
| <b>Nagaland</b>            | 965                       | 1000  | 213   | 584   | 0          | 823      |
| <b>Sikkim</b>              | 967                       | 962   | 896   | 690   | 560        | 883      |
| <b>Tripura</b>             | 922                       | 882   | 826   | 928   | 686        | 863      |
| <b>Uttaranchal</b>         | 969                       | 985   | 919   | 971   | 565        | 920      |
| <b>Urban</b>               |                           |       |       |       |            |          |
| <b>Arunachal Pradesh</b>   | 736                       | 761   | 556   | 722   | 0          | 726      |
| <b>Delhi</b>               | 964                       | 883   | 769   | 636   | 762        | 869      |
| <b>Goa</b>                 | 1000                      | 937   | 959   | 633   | 578        | 888      |
| <b>Himachal Pradesh</b>    | 963                       | 1000  | 1000  | 1000  | 462        | 941      |
| <b>Jammu &amp; Kashmir</b> | 992                       | 991   | 861   | 792   | 823        | 942      |
| <b>Manipur</b>             | 788                       | 862   | 904   | 907   | 370        | 819      |
| <b>Meghalaya</b>           | 945                       | 863   | 811   | 699   | 233        | 820      |
| <b>Mizoram</b>             | 717                       | 805   | 693   | 675   | 711        | 727      |
| <b>Tripura</b>             | 1000                      | 953   | 780   | 763   | 488        | 888      |
| <b>Uttaranchal</b>         | 948                       | 987   | 972   | 1000  | 315        | 875      |
| <b>A &amp; N Islands</b>   | 1000                      | 911   | 865   | 0     | 314        | 887      |
| <b>Chandigarh</b>          | 983                       | 1000  | 953   | 828   | 965        | 975      |
| <b>Pondicherry</b>         | 966                       | 914   | 972   | 729   | 620        | 876      |

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## Preface

The National Sample Survey Organization, Ministry of Statistics and Programme Implementation and the State Statistical Bureau of various States have been collecting socio economic data covering different areas in its various rounds, as per the mandate given to it. The data available from the reports published by the NSSO is collected after a lot of rigor using schedules that are specifically designed for the different surveys. Data collected is on the basis of a scientifically designed sample by qualified and trained investigators contributing to the reliability of the data. In 1973-74, the NSSO conducted a full scale survey on morbidity and since then data on morbidity has become a part of the decennial survey on social consumption. A second survey on social consumption was carried out in its 42<sup>nd</sup> Round in 1986-87 and the 3<sup>rd</sup> in the 52<sup>nd</sup> Round between July 1995 and June 1996. The 60<sup>th</sup> Round between January and June 2004 is a survey on morbidity and healthcare.

Socio economic data collected over the 42<sup>nd</sup>, 52<sup>nd</sup> and 60<sup>th</sup> Rounds provide valuable insights into the manner in which health expenditure has occurred and health facilities accessed. While rapid strides have been made in health indicators, it was felt that it would be useful to do a comparative analysis wherever possible of select parameters taken up in the 42<sup>nd</sup>, 52<sup>nd</sup> and the 60<sup>th</sup> Rounds of NSSO. The enclosed report looks at the basic infrastructure and amenities, morbidity & healthcare, immunization and maternal healthcare and health of the aged. In each of these chapters, the salient findings of the surveys have been brought out and the picture that emerges presented for the major States across rural and urban sectors. Aggregates are given in respect of smaller States and UTs. Attempt has also been made to look at facilities accessed by different social groups besides the quantum of spending by bottom 20% section of population given the need to plan for elderly, the chapter devoted to the condition and health of the aged has been analysed both by gender and rural urban classification.

We had been fortunate to have this study done by Dr. K.V. Rao, an eminent statistician and former DG, NSSO. His background on health during his stint as Chief Director (Statistics) in the Ministry of Health & Family Welfare has added value to the analysis of data.

I would like to place on record the valuable inputs received from Shri Sunil Nandraj in concretizing this study and the feedback from Dr. Selvaraju and Ms. Anagha Khot on the preliminary analysis. Assistance rendered by Shri Amit Kumar, Data Entry Operator is also gratefully acknowledged.

New Delhi

Ganga Murthy  
Economic Advisor  
Ministry of Health and Family Welfare